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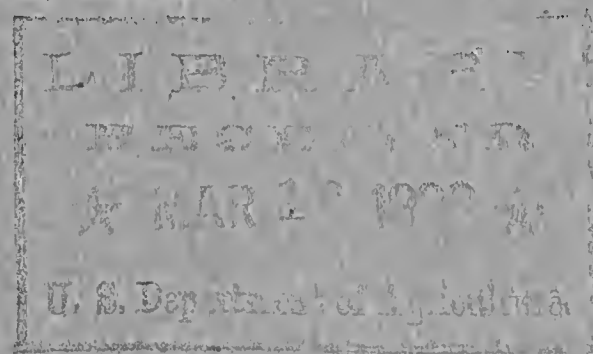
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# 1933 Sterling Quality SEEDS



6235  
FLOWER · VEGETABLE  
FIELD  
LAWN



6235  
VEGETABLE  
SEED TRIALS  
HORTICULTURE  
MAR 3 1933

**ALLEN · STERLING & LOTHROP**  
56 · 58 EXCHANGE STREET  
PORTLAND · · · MAINE



FROM THE DAY we first opened for business on October 10, 1911, to August 1, 1932, we occupied the same store on Exchange Street, so familiar to hundreds of our friends.

We were approaching the day when we were 21, we had grown up — the demands of our ever-increasing business for larger quarters had to be met. We must celebrate!

Directly across the street—at 56-58 Exchange Street—we found accommodations ideal for our needs, with ample room on the street floor for adequate display of merchandise, and two splendid, large windows facing on the street.

Here, in our new home, we shall be glad to welcome our old and new friends who will get satisfaction from our improved facilities.

## Our 1933 Catalog

OUR 21st birthday is also being celebrated with a complete change in our catalog. A colorful, hand-drawn cover has a warmth and attraction pleasing to the eye.

The contents of the catalog have been completely revised for your convenience and easy reference.

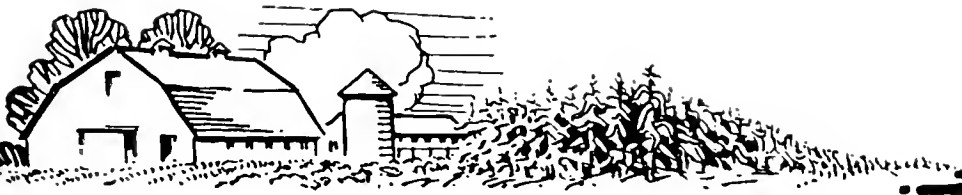
“Sterling Quality” and dependable values will be maintained, as in the past, and our service will have the same personal interest, whether you buy on the floor or send in your order by mail.



**ALLEN, STERLING & LOTHROP**

Emerson D. Pillsbury, *President*  
Harry W. Lothrop, *Treasurer*

56-58 EXCHANGE ST. PORTLAND, MAINE



# 1933 CATALOG of "Sterling Quality" Seeds

Garden, Field, Flower and Lawn

## Our 21st Birthday Present -- TO YOU !

A "Birthday Celebration" would not be complete unless our Friends Came to the Party.

*This is our invitation —*

*You will find in this catalog a "Birthday Coupon" which we will honor, with our compliments, for one tenth of the amount of your "Cash with Order" purchase. This applies to all the merchandise listed in our catalog.*

*We do hope that you will avail yourself of this opportunity of "Coming to our Party."*

*Allen, Sterling and Lothrop*

## Information and Suggestions to Customers:

**Free Delivery.** We deliver "Sterling Quality" flower and vegetable seeds *free* to any address in the United States when purchased by the *packet, ounce, half pound and pound* excepting peas, beans and corn. Please add sufficient amount to cover postage on these items.

**Orders.** Should be written on our order sheet or on a blank sheet separate from letter, preferably in ink. *Be sure to sign your name and give your address.*

**Telephone Orders.** Will be given immediate attention. Call Portland: Forest 624 or 625.

**Non-Warranty.** We give no warranty, express or implied, as to quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be in any way responsible for the crop.

ALLEN, STERLING & LOTHROP  
56-58 Exchange St. Portland, Maine



*Showing at left the inside of our new quarters at 56-58 Exchange Street. The exterior of the new store is shown below.*







## **“A. S. & L.” Vegetable Novelties for Season of 1933**

**I***N this list of vegetable novelties each variety has been thoroughly tested and proven to be of outstanding merit.*

*Allen, Sterling & Lothrop*

**“A. S. & L.” Emperor Bush Bean** (see illustration on opposite page). A wonderful new snap bean with a delicious flavor. The pods are long, round as a pencil, very meaty and of light green color. They mature early and the vines are exceptionally strong and vigorous and produce large yields.

Market growers will find this the most profitable green podded bean. The pods are of handsome appearance, absolutely stringless and of the very best quality. It is not often that so many good qualities are combined in one variety.  $\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c.

**“A. S. & L.” Emperor Pole Bean.** This variety is grown exclusively for us right here in Maine. We introduced it last season and our stock was exhausted immediately. It matures early—has a long season and is very prolific. This pole bean has no equal on the market.  $\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c.

**“A. S. & L.” Emperor Carrot** (see page 7 for illustration). The latest addition to the Carrot family is one of early maturity—has a very rich color with almost an indistinct core. Will appeal strongly to market gardeners for bunching. Awarded certificate of merit as one of the ten outstanding vegetable introductions for last season. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, 1 lb. \$4.00.

**Spanish Gold Sweet Corn.** A new variety produced by the Connecticut Experiment station. It is probably the earliest yellow variety and has found much favor among market gardeners. It has a good sized ear, 8-10 rowed. The stalks are strong, about 5 ft. in height, producing one or more ears.  $\frac{1}{2}$  lb. 25c, 1 lb. 40c, 2 lbs. 75c, 10 lbs. \$3.00.

**“A. S. & L.” Emperor Cucumber** (see illustration page 10). A wonderful dark green cucumber growing from 9 to 12 inches long with a very small seed cavity. This cucumber received a certificate of merit as one of the outstanding vegetable introductions for last season. For forcing, or growing out of doors, it is unexcelled. Pkt. 15c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, 1 lb. \$3.00.

**Onward Pea** (Dwarf Quite Content). New Main Crop Garden Pea. The Onward is a very distinctive and valuable addition to the mid-season varieties. A bit earlier than Telephone. The pods are about 4 inches long, large, broad, and blunt ended. Considered by experts the best pea recently introduced. Height about three feet.  $\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c.

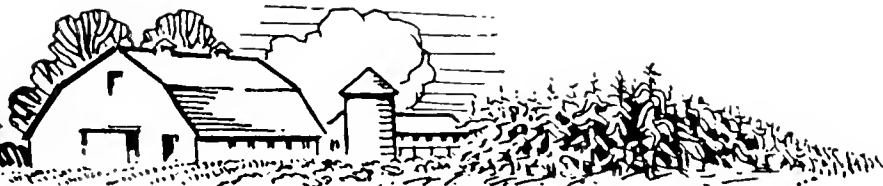
**The Pritchard or Scarlet Topper Tomato.** A disease resistant variety introduced in 1931 by Dr. F. J. Pritchard of the U. S. Dept. of Agriculture. It is a cross between Marglobe and Coopers Special and has inherited the good qualities of both. Fruits—large, smooth, globular, solid, with thick walls and small seed pockets. Color—bright scarlet. Very desirable for both home and the market gardener. Pkt. 15c, oz. \$1.00.

**Millpond Turnip.** Our supply of seed comes from Prince Edward Island where the Millpond is well known and considered one of the best in cultivation. Millpond is perfectly round and smooth; deep purple above ground. Its quality is excellent and it is also a splendid keeping variety. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, 1 lb. \$1.25.

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*To the gardener who is interested in securing new varieties of special merit, we recommend a trial of the above items*

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# DESCRIPTIVE GENERAL LIST “Sterling Quality” Vegetable Seeds

NOTE—We deliver postpaid to any post office in the U. S. vegetable seeds in packets, ounces, and pounds, except beans, corn and peas. If these are desired by parcel post, add 8c for first pound, 1c for each additional pound.

## Asparagus Seed

Sow the seeds thinly in April or May in rows one foot apart and one inch deep; when the plants are well up, thin to 3 or 4 inches apart in the rows. One ounce will produce about 200 plants, 4 to 5 pounds to the acre.

**Washington.** A rust resistant variety of vigorous growth and excellent quality. The tips are tight and firm and do not open out until well out of the ground. Recommended for the home and market garden.

Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

## Asparagus Roots

Plant in rows 3 feet apart and 1 foot in the rows, covering the plants about 6 inches. The soil should be thoroughly manured and trenched, at least 2 feet.

NOTE—As the Washington has proved to be the best variety produced, we are offering only this variety this season.

**Washington.** 100 roots, \$2.00. Postpaid, \$2.25. Special quotations by the thousand.

## Beans--Dwarf or Bush, Green Podded

Plant in light, warm soil in the spring when danger from frost is past, in drills from 2 to 3 feet apart, covering about 2 inches deep. Sow every two weeks for a succession. Cultivate frequently until they blossom but only when dry. If wanted by parcel post, add postage.

*Two pounds will plant 100 feet of drill.*

**“A. S. & L.” IMPERATOR.** A wonderful new snap bean maturing early. Pods long, round, very meaty and of light green color. This bean is absolutely stringless and of delicious flavor. Market gardeners will find this the most profitable green podded bean.

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c, 15 lbs. \$3.50.

**Bountiful.** One of the most popular garden beans. Extra early and prolific, flat green pods, 6-7 in. long, very tender.  $\frac{1}{2}$  lb. 20c, lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

**Burpee’s Stringless Green Pod.** Combines unusual hardiness, extreme earliness and wonderful productivity. The pods are tender, brittle and of the finest flavor; always entirely stringless.

$\frac{1}{2}$  lb. 20c, lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

**Burpee’s Improved Bush Lima.** Compared with Burpee’s Bush Lima, both pods and beans are very much larger, while the beans, either green or dry, are nearly twice as thick and ready to market eight to ten days earlier.

$\frac{1}{2}$  lb. 20c, lb. 40c, 2 lbs. 75c, 15 lbs. \$3.75



“A. S. & L.” Imperator

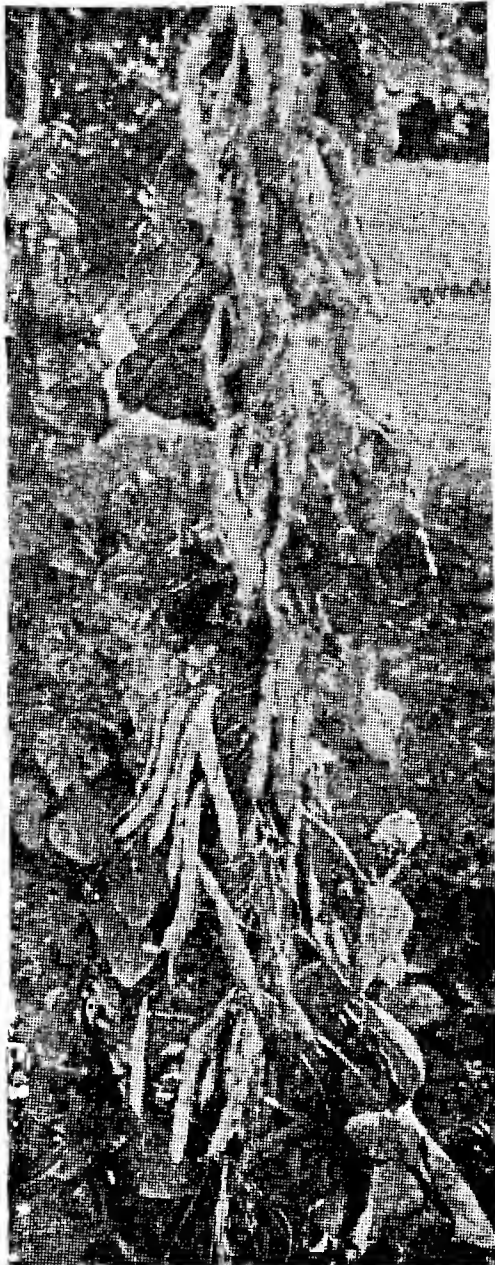
## Beans -- Dwarf or Bush, Green Podded -- continued

**French's Dwarf Horticultural.** This is a bean of the Horticultural type. Pods remarkably large, many containing seven beans, beautifully splashed with bright crimson. Never spots or rusts. The vines are vigorous and productive, inclined to send out runners which do not effect the bean in any way. Very popular with market gardeners.  
 $\frac{1}{2}$  lb. 20c, lb. 30c, 2 lbs. 50c, 15 lbs. \$3.00.

**Low's Champion.** Very early, absolutely stringless, exquisite flavor, very productive. One of the finest snap beans, an excellent shell bean, and is of splendid flavor when cooked dry.  
 $\frac{1}{2}$  lb. 20c, lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

**Broad Windsor.** (English). Plant as early in the spring as the ground can be worked, from 2 to 4 inches apart in drills 3 feet apart, cover the seed about 4 inches.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 40c, 2 lbs. 75c.

**Red Kidney.** Fine for baking and a good shell bean.  
 1 lb. 15c, 2 lbs. 25c, 15 lbs. \$1.50.



**Maine Pea.** The best small white pea bean, early and productive.  
 1 lb. 15c, 2 lbs. 25c, 15 lbs. \$1.50

**Maine Yellow Eye.**  
 1 lb. 15c, 2 lbs. 25c, 15 lbs. \$1.50.

Allen, Sterling  
 and Lothrop,  
 Portland, Me.

Gentlemen:

Your "A. S. & L" Imperator Pole Beans are the most satisfactory of any pole beans I ever grew. They proved to be entirely stringless, brittle and tender, and bore through a long season. They are also delicious shell beans.

Yours truly,  
 R. S. Norton,  
 Falmouth, Me.

(New) "A. S. L." Pole Imperator

## Beans -- Dwarf or Bush, Wax Podded

**Black Wax, Pencil Pod.** Pods are long, pencil like, tender and brittle. In color they are a rich, dark yellow, hardy and productive.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

**Burpee's Kidney or Brittle Wax.** An early and very productive variety, pods are entirely stringless and of fine quality. Free from blight and rust.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

**Improved Golden Wax.** An early, hardy variety, flat, golden-yellow pods.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

**Sure Crop Stringless Wax.** A wax-podded variety of remarkable growth and productiveness. Plants hardy and prolific; pods  $7\frac{1}{2}$  inches long and about  $\frac{1}{2}$  inch wide, of a rich yellow color, perfectly stringless, excellent for home and market gardens.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c, 15 lbs. \$2.75.

## Beans--Pole

Plant in hills 4 feet apart. 4 to 5 beans to a hill. Poles should be firmly set before planting.

(NEW) "A. S. & L." IMPERATOR. A wonderful pole bean for this climate, maturing early yet enjoying a very long season. It is very prolific—pods exceedingly tender and free from strings. An excellent snap or shell bean too. Really no garden should be without, at least, a few poles of A. S. & L. Imperator Pole Beans.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c.

**Horticultural or Speckled Cranberry.** An old favorite, early and prolific; excellent quality either as a snap or shell bean or for cooking dry.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c.

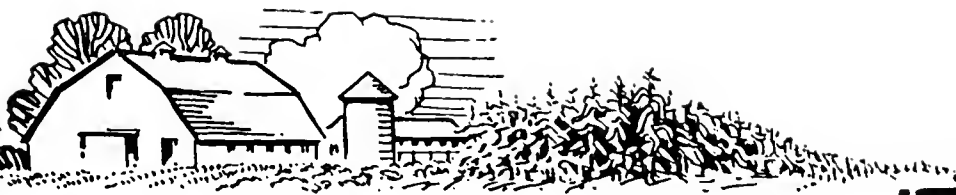
**Kentucky Wonder, or Old Homestead.** A long, green podded variety, very prolific and of fine quality and perfectly stringless.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c.

**Kentucky Wonder Wax.** The best pole wax bean; it is similar in habit of growth to "Kentucky Wonder Green Pod."  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c.

**Lazy Wife's.** Beans white; pods green, very thick, meaty, entirely stringless; very productive.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 30c, 2 lbs. 50c.

**Red Cranberry.** The pods are green, large and tender; one of the best snap beans.  
 $\frac{1}{2}$  lb. 20c, 1 lb. 40c, 2 lbs. 70c.





## Beet

Sow as early in the spring as the ground can be worked in drills 15 inches apart and cover one inch. When well up thin out 4 inches apart in the rows. *One ounce to fifty feet of drill; six pounds to the acre.*

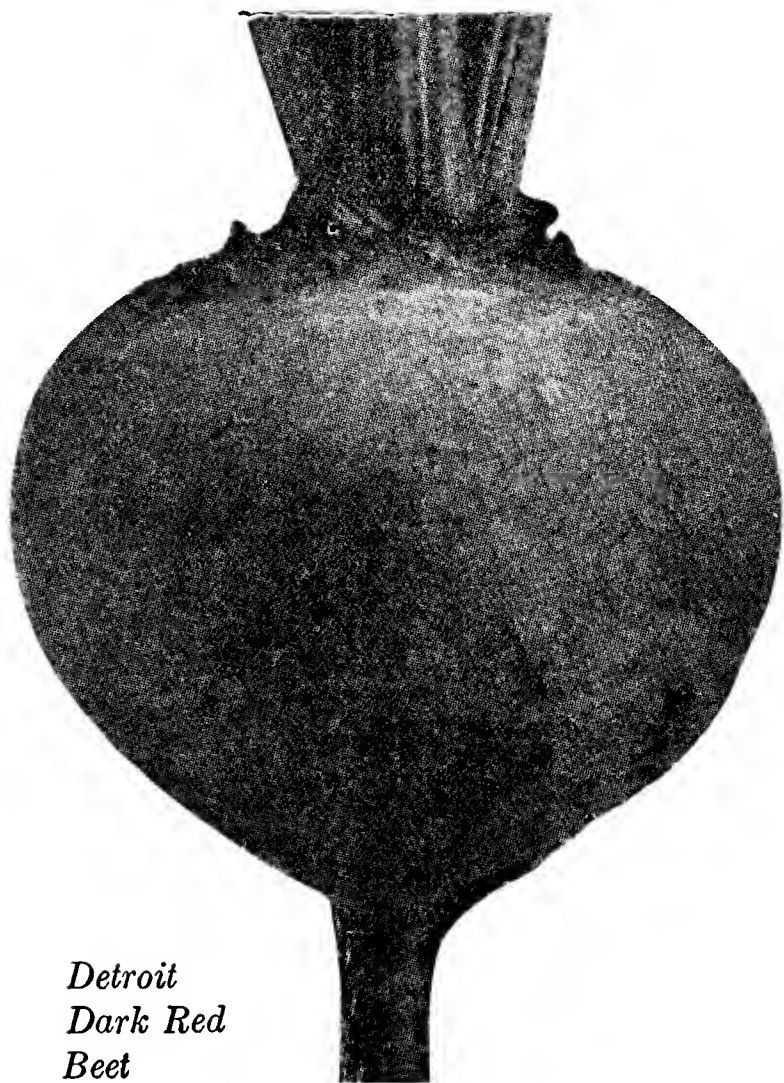
**Our Best seed is grown under the most critical supervision and is most desirable for market gardeners.**

**Early Wonder.** A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

**Crosby's Egyptian.** The roots are flattened, globe shaped and very smooth. Exterior color of root bright red. The flesh is bright vermilion red, zoned with a lighter shade, very sweet and tender. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

**Detroit Dark Red.** The best beet for the market and home garden. Tops small, upright in growth. Root medium sized, globular or nearly round, very smooth, and of dark blood red color. Very desirable for bunching. Uniform in growth and unsurpassed in quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

**Edmand's Blood Turnip.** A medium early sort, deep red, popular with market gardeners. Our seed is grown from selected roots saved for seed. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.



*Detroit  
Dark Red  
Beet*

## Mangel Wurzel and Sugar Beets

Sow in drills 2 inches deep, about 2 feet apart, thin out to 10 inches apart. *Six pounds to the acre.*

**Mammoth Long Red.** This variety produces roots of mammoth size and is enormously productive. Yielding from thirty to forty tons per acre on well prepared land.

Oz. 10c.,  $\frac{1}{4}$  lb. 25c, lb. 70c, 5 lbs. \$2.50.

**Golden Tankard.** Recommended for dairymen on account of its milk-producing properties. The flesh is a rich golden yellow.

Oz. 10c.,  $\frac{1}{4}$  lb. 25c, lb. 70c, 5 lbs. \$2.50.

**Giant Feeding Sugar Beet or Half Sugar Mangel.** A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having a higher nutritive value, being especially rich in sugar. Roots light bronze green above ground, grayish white below with white flesh.

Oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. 75c.

## Swiss Chard or Spinach Beet

The leaves are used as greens and served like spinach. The mid-ribs may be cooked like asparagus. Cuttings may be used all summer, as it can be cut down to the ground and new shoots will soon spring up and make fast growth.

**Lucullus.** The largest and best. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

## Brussels Sprouts

Cultivate the same as cabbage. The sprouts resemble miniature cabbage and are very tender.

**Improved Long Island.** The finest variety, very compact sprouts.

Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50.

## Broccoli

A vegetable much resembling cauliflower.

**White Cape.** The most desirable variety. Pkt. 10c, oz. 60c.

**Special Italian.** Heads compact, of a good size, and most certain to head.

Pkt. 10c, oz. \$1.50.



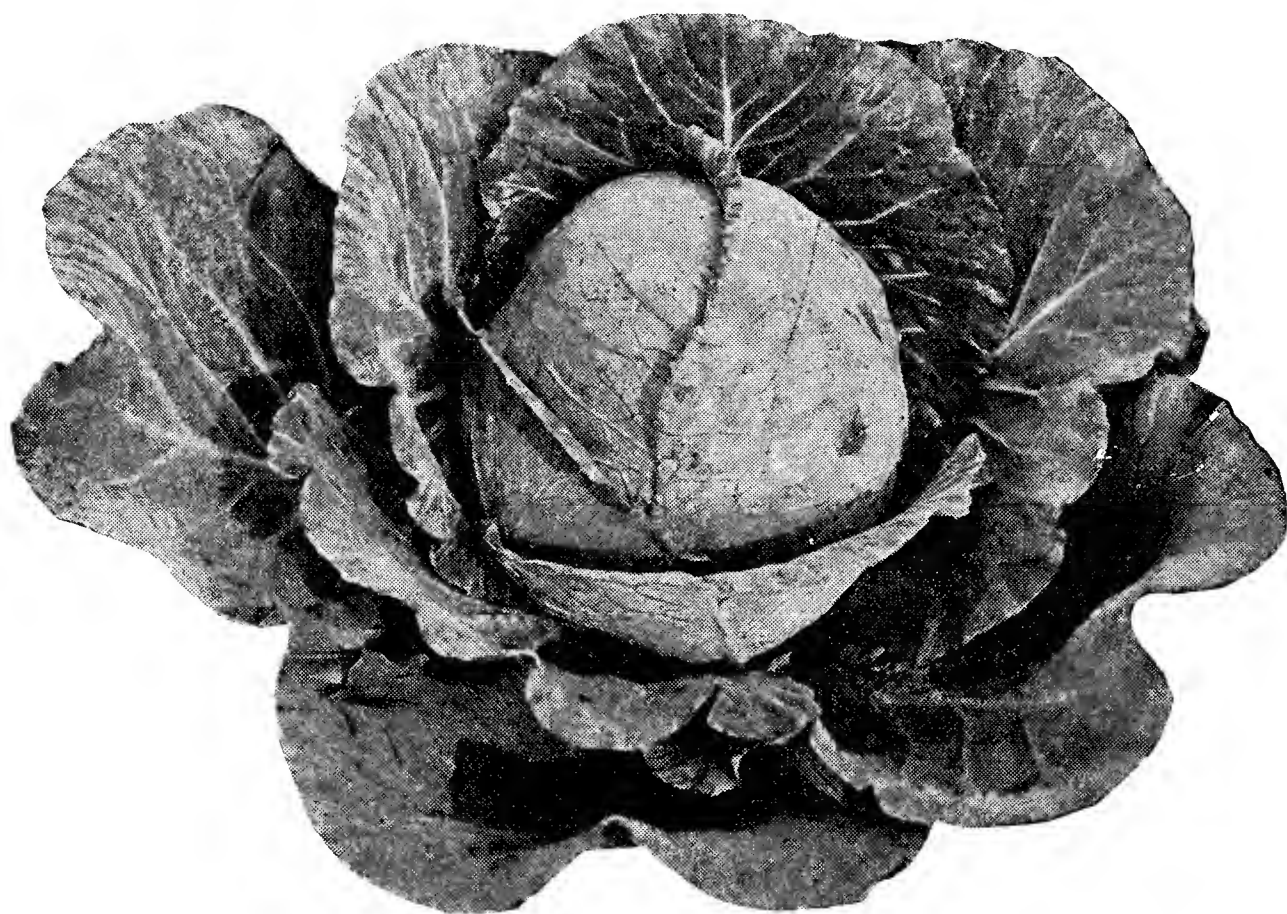
# Cabbage

The cabbage is an important crop and should be planted in fresh, rich soil, well manured and deeply dug or plowed. For early use sow in a hotbed in March, transplant to the open ground when danger from frost is past. Plant the early sorts about 18 inches in the rows and the late sorts about 2 feet in the rows and the rows about 3 feet apart. For the late crops sow in the open ground in June. Our cabbage seed is grown from selected stock and is equal to any offered in the market.

*One ounce will produce about 2,000 plants.*

**"A. S. & L" CAPE ELIZABETH.** *Selected seed grown for us at Cape Elizabeth, Maine—a section noted throughout the country for the excellency of its cabbage. Heads are hard, solid, tender and crisp. It is remarkable for its long keeping qualities. One of the best shipping varieties.*

Pkt. 10c, oz. 75c,  $\frac{1}{4}$  lb \$2.50



*Copenhagen Market Cabbage*

**Extra Early Copenhagen Market.** An extra early variety; heads ball-shaped, large and solid, averaging in weight about 10 pounds. The most evenly maturing and large heading early cabbage.

Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**Early Jersey Wakefield.** A standard early market variety, conical in shape and good quality; heads uniform and solid.

Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.

**Golden Acre.** This is a very superior stock of a popular extra-early, round-headed variety of the Copenhagen Market type. Matures even earlier than Early Jersey Wakefield. Produces a uniform, tightly folded, round, well blanched head of superb quality. Unsurpassed for the home or market garden.

Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25.

**Danish Ball Head.** This variety produces large, round and compact heads. One of the best keepers; plants vigorous and hardy, resisting cold and dry weather.

Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

**Improved American Savoy.** Large, solid round heads, of superior quality, tender and good flavor, the best variety for family use.

Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.

**Pe-Tsai or Chinese Cabbage.** A quick growing plant resembling Cos Lettuce.

Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.

**Red Danish Stone Head.** One of the largest and most solid and compact of the red varieties, sure heading and tender.

Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25.

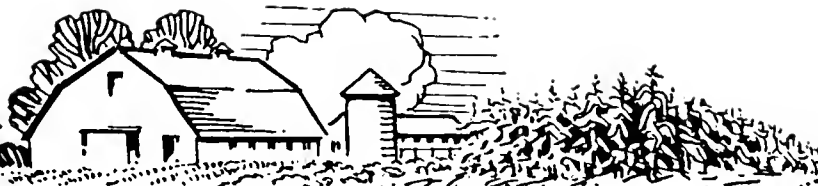
## Bigger Crops 3 Weeks Earlier

**Germaco Hotkaps** guard plants against frost, wind, rain, insects, etc., by completely covering them.

Prices: 1,000 for \$9.75; 250 package with setter and tamper, \$3.50; 100 package with setter and tamper, \$2.25; steel setter \$2.25. Postage extra.

Germāco

# Hotkaps



## Carrot

Carrots do best in a good, light and rich soil. Sow in April or May for the early crop, and for the main crop sow in May or June in drills about  $\frac{1}{2}$  inch deep, in rows 14 inches apart, and thin plants to 3 or 4 inches in the rows.

*One ounce to 100 feet of drill; four pounds to an acre.*

**(NEW) "A. S. & L." IMPERATOR.** *Outstanding both as to bunching and busheling; has medium top growth; root 7 to 9 inches long; is slightly cylindrical in shape; has a very smooth surface and tapering shoulders. Its color is deep orange both inside and outside, and has a very indistinct core. Superior in appearance, quality and flavor.*

*Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.*

**Danvers' Half-Long.** The best sort for the main crop, dark orange color, growing very smooth, yielding large crops, and is a splendid keeper; roots medium length, tapering uniformly to a blunt point.

*Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.*

**Hutchinson.** A carrot of great length and cylindrical shape almost to the point, grows with tops slightly out of ground, a very heavy yielder per acre. Small circle of green on top of root out of ground portion.

*Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.*

**Chantenay.** A medium early, half-long variety. The flesh is crisp and tender.

*Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.*

**Improved Long Orange.** Deep orange color, roots of large size and good keeper.

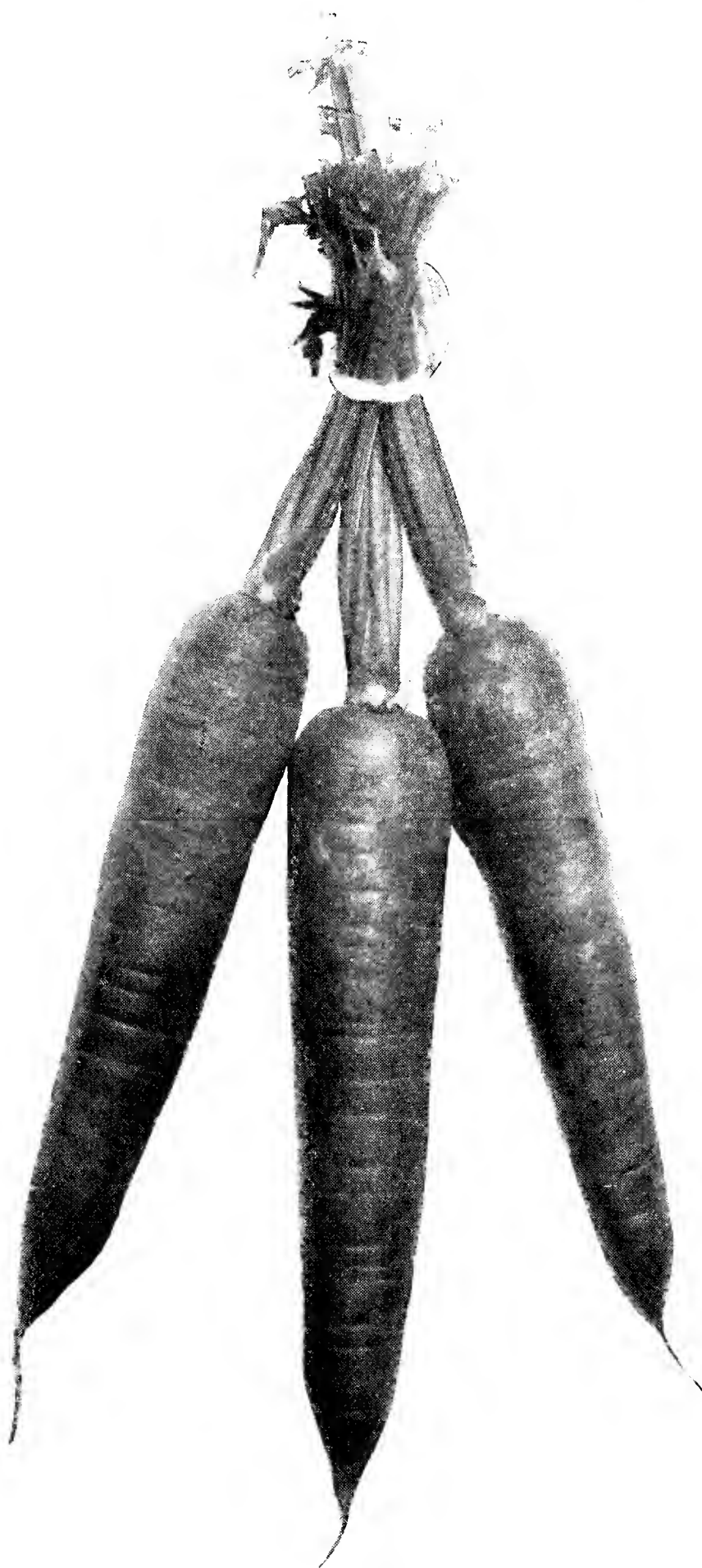
*Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.*

**Guerande or Oxheart.** Medium early roots, short and thick. The flesh is bright orange, fine grained and tender.

*Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.*

**Nantes Half-Long Scarlet.** A stump-rooted variety. Flesh fine grained, mild and sweet.

*Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.*



"A. S. & L." Emperor

## Cress or Peppergrass

Sow early in the spring on rich soil in drills 10 or 12 inches apart and make frequent sowing every two weeks. Cover seed about  $\frac{1}{4}$  inch.

**Extra Curled.** Fine flavor, may be cut several times.

*Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c.*

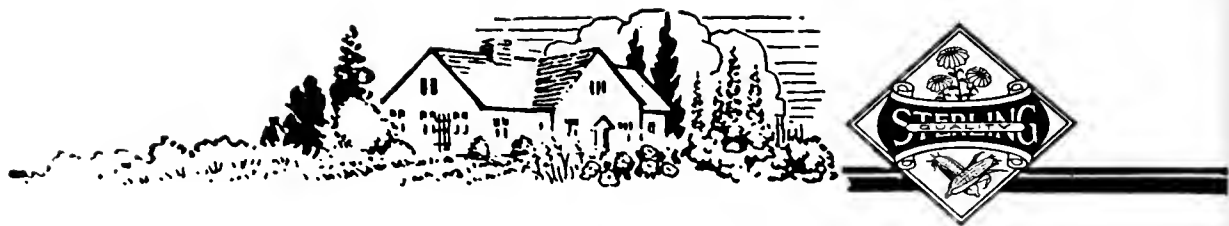
**Water Cress.** Sow in the spring near the margin of ponds or running streams.

*Pkt. 10c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00.*

Join with us—in the celebration of our twenty-first birthday. Our present to you is represented by coupon attached to back of cover.

Allen, Sterling & Lothrop





## Cauliflower

For early crop, sow seed in hotbed or in boxes about six weeks before time to plant out. Transplant early in spring in rows 3 feet apart and 18 inches in the row. For the late cauliflower, plant in the open ground in June and transplant in July.

*One ounce will produce 2,000 plants.*

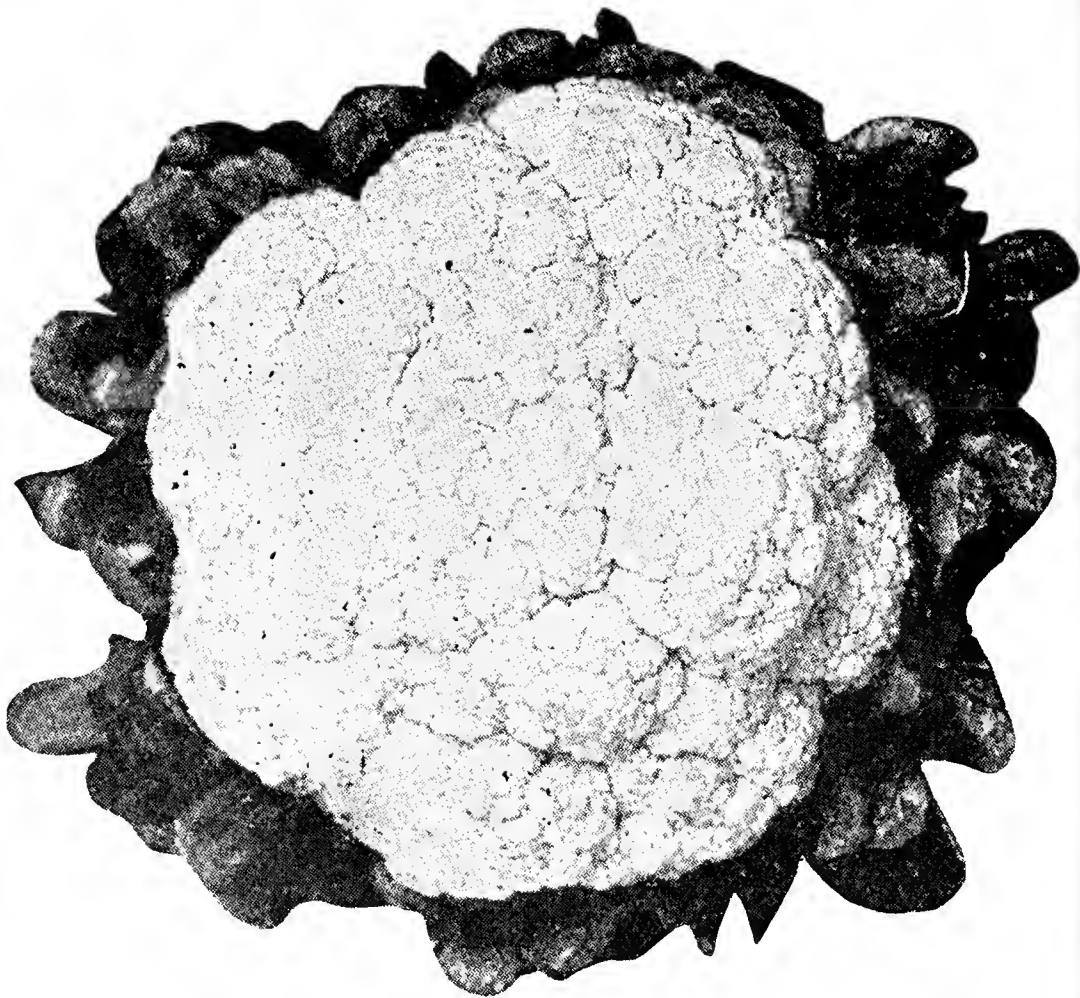
### **"A. S. & L." SUPER SNOWBALL.**

*An early variety yet unexcelled for the late or main crop. In the tests of the Pennsylvania State College, Super Snowball appeared to be the best of all varieties. The plants make a compact, dwarf growth and the heads are large, solid and snow white. "A. S. & L." Super Snowball is the very finest strain obtainable. Pkt. 15c, 1/4 oz. \$1.00, oz. \$3.50.*

**Earliest Dwarf Snowball.** The earliest cauliflower in cultivation, absolutely sure to head when conditions are ordinarily favorable. Plants are very dwarf and of compact growth, with large firm, snow-white heads. Pkt. 15c, 1/4 oz. 75c, oz. \$2.50.

**Danish Giant or Dry Weather.** This variety is about two weeks later than the Snowball. It is of dwarf growth, producing large hard and snow-white heads, fully protected by its foliage.

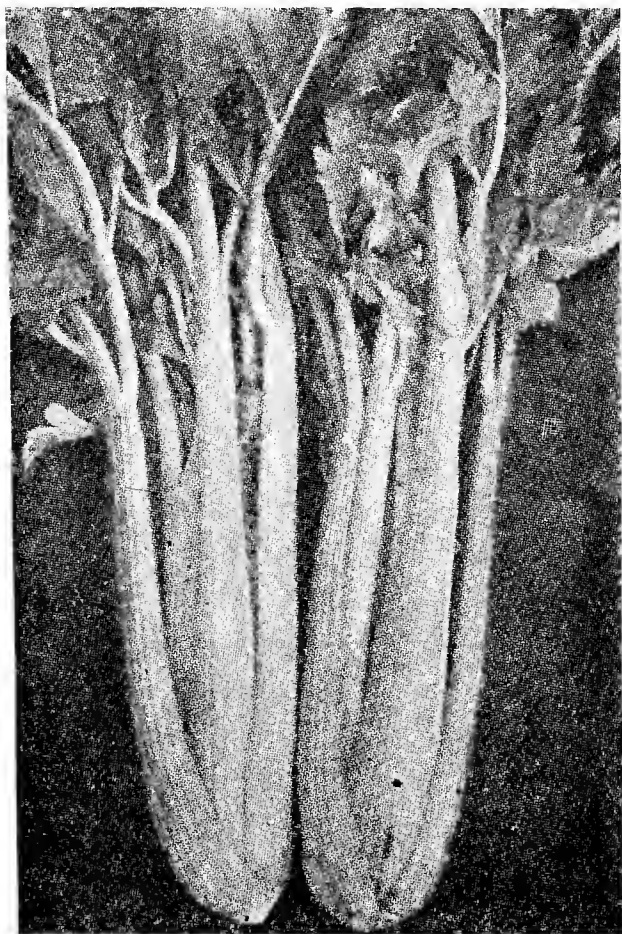
Pkt. 15c, 1/4 oz. 75c, oz. \$2.75.



*"A. S. & L." Super Snowball*

## Celery

For early celery sow the seed of the self-blanching sorts in a hotbed early in the spring. As soon as the plants are 3 inches high, transplant into frames in well-enriched soil 4 inches apart. Cut them once or twice before setting them out in May or June to make them stocky. When about six inches high transplant into trenches wide enough to hold two rows. The rows should be about 1 foot apart and the plants set about 8 inches apart. For winter celery start the seeds in flats as for early, only a little later. As plants grow they should be earthed up to blanch, taking care not to cover the center of the plant.



*Golden Self-Blanching*

**Wonderful.** This new variety of celery, rightly named Wonderful, is of the Paris Golden family, but twice to three times its size, very fine quality, and very free from the stringy habit of the Old Golden.

Pkt. 15c, oz. \$1.50, 1/4 lb. \$5.00.

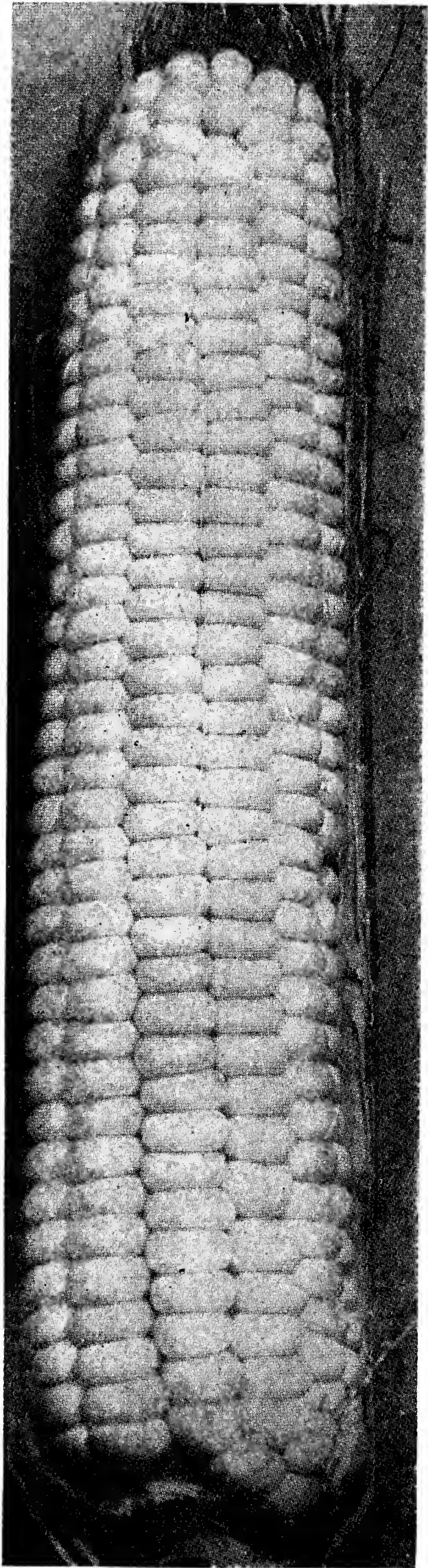
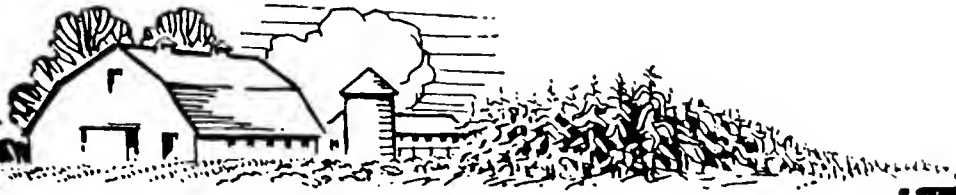
**Golden Self-Blanching.** (French-grown, special gardeners' strain). The finest early celery grown, easily blanched and of excellent flavor, solid and crisp.

Pkt. 10c, 1/2 oz. 50c, 1 oz. 85c, 1/4 lb. \$3.00.

**Giant Pascal.** The most satisfactory variety for Fall and Winter use. Grows rapidly and a wonderful keeper. The stalks are of medium height, thick and solid, blanching to a beautiful yellowish white color. Properly blanched and kept in good storage it remains solid, crisp and of a fine sweet flavor.

Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.75.





Golden Sunshine

## Sweet Corn

Plant in hills 3 to 4 feet apart each way, dropping 6 seeds in each hill, or in drills 3 to 4 feet apart. The seeds should be covered about 2 inches. In this climate Sweet Corn should not be planted before the middle of May.

One pound will plant 100 hills.

If wanted by Parcel Post, add 8c for first pound, 1c for each additional pound.

**(NEW) SPANISH GOLD.** *The earliest yellow variety, producing a good sized 8-10 rowed ear of fine quality. Stalks are strong and grow about 5 feet in height.*

$\frac{1}{2}$  lb. 25c, 1 lb. 40c, 2 lbs. 75c, 10 lbs. \$3.00.

**Golden Sunshine.** *Matures ten days ahead of Golden Bantam. The ears are about 6 inches long, with 12 rows of large, sweet kernels. Invaluable for extra-early use.*

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 65c, 10 lbs. \$2.50.

**(New) Golden Market.** *An extra early yellow variety producing a large ear of good quality. Fine for the market gardener.*

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c, 10 lbs. \$2.50.

**Whipple's Early Yellow.** *This new variety has the flavor of the true Golden Bantam, and is earlier than many strains of corn bearing the name of Golden Bantam but which are not true to type.*

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 65c, 10 lbs. \$2.50.

**Burpee's Golden Bantam.** *The original 8-rowed Golden Bantam. Early, hardy and of the most delicious flavor; being of dwarf growth, the stalks can be grown closely together in the row.*

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 65c, 10 lbs. \$2.50.

**DeLue's Golden Giant.** *Nearly as early as Golden Bantam and of fine quality. Much larger ears, being from 12 to 16 rows of golden yellow.*

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 65c, 10 lbs. \$2.50.

**Early Crosby (Selected).** *An early and productive variety; growing very dwarf with ears set low, averaging from 16 to 20 rows; very sweet and tender. Desirable for both the market and private garden.*

$\frac{1}{2}$  lb. 20c, 1 lb. 35c, 2 lbs. 60c, 10 lbs. \$2.50.

**Golden Bantam Seed Corn—on the Cob.** *We have been fortunate in obtaining a supply of the Original Strain of Burpee's Golden Bantam Corn, on the cob. This corn is the small eight-rowed ear and is native grown.*

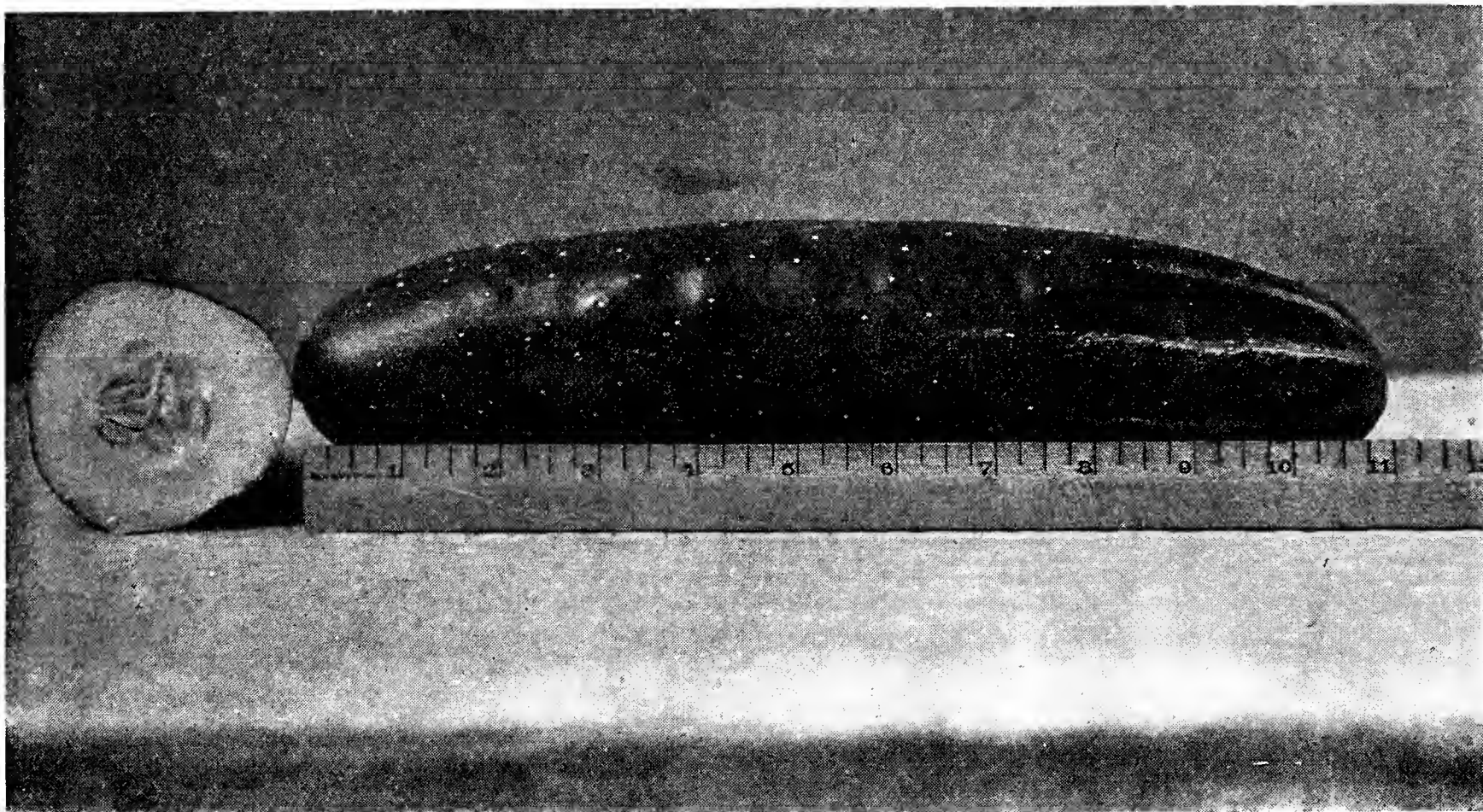
*We have wrapped this corn in cellophane, two ears to a package. Price 15c per pkt. By mail 23c postpaid.*



# Cucumber

For general crop plant when the ground has become warm, in hills 4 feet apart each way. Thin out to 4 plants to each hill after all danger of insects is over. For very early cucumbers sow about April 1st, in a hotbed on a piece of sod, grass side down so that they can be easily transplanted to the open ground when danger of frost is over.

*One ounce will plant fifty hills; two pounds will plant an acre.*



*"A. S. & L." Emperor*

**(NEW) "A. S. & L." IMPERATOR**—*For forcing or outdoors. This wonderful cucumber is from 9 to 12 inches long, small seed cavity and holds its deep dark green color both on the vine and after picking.*  
Pkt. 15c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Boston Pickling.** This variety is largely planted for pickles. Fruit medium size, smooth, light green and very productive.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c lb. \$1.50.

**Davis Perfect.** For forcing or outdoors. The fruit is of fine form, of a rich dark green color, very few seeds, tender, brittle and of fine flavor.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**Early Cluster.** An early sort growing in clusters.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.50.

**Improved White Spine.** One of the most popular varieties in cultivation. The fruit is light green with white spines, uniform in size and very productive.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.50.

**Longfellow.** An excellent long, slender, dark green variety equally desirable for greenhouse forcing or out door culture. An ideal type for the private garden or as a "straight pack" variety for shipment to market. 12 to 14 inches long, by  $2\frac{1}{2}$  inches in diameter.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**Long Green.** An old standard variety. Fruit from 10 to 12 inches long, dark green and crisp.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.50.

**West India Gherkin.** A small prickly variety grown only for pickles.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Woods Hybrid.** The best type of slicing cucumber. The color, a rich dark green, is retained a long time after it is picked. The flesh is white, crisp and tender. It is early and prolific, and for home or market, it is a very superior cucumber.  
Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.





## Dandelion

One of the earliest and most popular of spring greens. Sow in May in drills 12 inches apart; cover the seed  $\frac{1}{4}$  of an inch deep. The following spring the plants will be ready for cutting.

*One ounce for 200 feet of drill.*

**Arlington Thick-Leaved.** A carefully selected strain; popular with market gardeners.  
Pkt. 10c, oz. 90c,  $\frac{1}{4}$  lb. \$3.00.

## Egg Plant

Sow the seeds in hotbeds very early in the spring and transplant when about three inches high into small pots or another hotbed. Do not plant out in the open ground until the weather has become warm and settled.

**New York Improved Purple.** This variety produces fruit of large size, nearly round, dark purple and excellent quality.  
Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 65c.

## Endive

For early use sow as early in the spring as the ground can be worked in drills 15 inches apart. Transplant to 1 foot each way. When full grown tie the outer leaves at the top to blanch them.

**Green Curled.** A standard sort for fall and winter.  
Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

**Broad-Leaved Batavian.** A variety growing very compact, very tender and of fine flavor.  
Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

## Kale

Sow from May to June, broadcast or in drills, cover  $\frac{1}{2}$  inch, cultivate the same as cabbage.

**Dwarf Green Curled Scotch.** A fine, low-growing variety, the leaves densely crimped and curled; very hardy and productive.  
Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

## Kohl Rabi

Seeds should be sown in drills as early in the spring as possible. When well established thin to 6 inches apart.

**Early White Vienna.** A very early sort, excellent quality, flesh white and tender.  
Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**Early Purple Vienna.** Similar to the above except in color.  
Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

## Leek

Plant in the spring in drills 1 foot apart. Cover the seed about 1 inch and thin to 9 inches apart in the drills. Draw earth up to them as they grow.

*One ounce of seed to 150 feet of drill.*

**American Broad Flag.** A strong-growing sort with broad leaves.  
Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

## Lettuce

For summer use the seed can be sown in hotbeds in March. Transplant when the weather will permit in rows 12 inches apart and 8 inches apart in the rows. For a succession sow in the open ground every two weeks until fall. Lettuce requires a rich and a rather moist soil. The more rapid the growth, the better the quality.

*One ounce of seed will produce about 3,000 plants.*

**Big Boston.** Fine for forcing or open-ground planting; large, solid heads.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**White Boston.** The heads resemble Big Boston but form earlier and do not have the red tinge of that variety. Heads are firm and of high quality. An excellent kind for home and market gardens.

Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**Black Seeded Tennis Ball.** (Market Gardener's Private Stock.) A strain of Black-Seeded Tennis Ball, very desirable for hotbed culture in winter, and for withstanding heat in summer. A light green cabbage sort, forming hard heads.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Boston Curled.** Leaves beautifully curled, very attractive on table.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Crisp as Ice.** Large, solid heads, yellow heart, outside dark green and bronze.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Grand Rapids.** A very popular variety, leaves crimped, very attractive, matures quickly; the heads are dark green, very crisp and tender.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Hanson.** A large, solid variety.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Iceberg.** A very superior solid heading variety for out-door growing. Makes large, solid heads.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**May King.** Large, round, solid heads, one of the best varieties for planting in open ground.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**New York or Wonderful.** The largest head lettuce, crisp and tender.

Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

**Paris White Cos.** An early set with long, narrow leaves.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

**Simonds Cabbage Head.** Our grower has worked for many years on this strain and with pure line culture has what we believe to be a perfect strain of this variety. Especially recommended to market gardeners for late sowing.

Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c.



## Musk Melon

Melons succeed best in light, sandy rich soil. After all danger of frost is past plant in hills 4 to 6 feet apart each way, six to ten seeds to a hill. When about 3 inches high and all danger from insects is past thin out to 3 or 4 plants to a hill.

*One ounce to 60 hills; two to three pounds to an acre.*

**"A. S. & L"** A very large variety, thickly netted, deeply ribbed, flesh salmon-yellow, thick and sweet. A great yielder. It ripens from 70 to 80 days from time of planting.

Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50.

**Bender's Surprise.** The Melons are of large size, nearly round, and present a fine attractive appearance. The skin is lightly netted, of a pale green when ripe and the flesh a rich, deep orange color fine grained with a very small seed cavity and of remarkable sweetness and spicy flavor.

Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50.

**Emerald Gem.** Fruit of medium size very early and of fine flavor; flesh deep orange.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**Long Yellow.** Very large, slightly ribbed and thickly netted; flesh salmon-yellow and sweet.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**Honey Dew.** A medium sized melon 5 to 6 pounds in weight, about 6 inches diameter and slightly oblong. Thick flesh, light emerald green in color.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

## Water Melon

Plant in hills about 8 feet apart and cultivate the same as for Musk Melon.

*One ounce for 30 hills; four pounds for one acre.*

**Cole's Early.** One of the best early varieties, medium size, nearly round, flesh dark red and excellent quality.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**Citron.** Used for preserves; white flesh, hardy and productive.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

**Kleckley Sweet.** A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early.

Pkt. 10c, 15c per oz.,  $\frac{1}{4}$  lb. 50c.

## Mustard

Sow thickly in early spring in shallow drills or in boxes during the winter. Successive sowing may be made every ten days.

*One ounce will sow about 75 feet of drill.*

**Chinese.** Leaves twice the size of the ordinary White Mustard, which are curled and eaten boiled like spinach.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 25c, 1 lb. 75c.

**White London.** The best for salads and flavoring.

Pkt. 10c, oz. 15c, lb. 50c.



*A. S. & L. Musk Melons Growing in Maine*

## Onion

Sow the seeds as early in the spring as the ground can be worked in drills about 1 foot apart and cover about  $\frac{1}{2}$  inch. Thin plants to stand from 2 to 3 inches apart in the drills. The soil should be made very rich and kept free from weeds.

*One ounce to 100 feet of drill; five pounds to the acre.*

**Danvers Yellow Globe.** The most profitable variety to grow, producing bulbs of globular form which ripen early and uniformly, producing large crops. The seed we offer was grown in New England from selected bulbs by a reliable grower of long experience. We cannot recommend this strain of seed too highly, not only on account of its great yield but also of its superior keeping qualities.

Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c.

**Large Red Wethersfield.** The standard red, flat variety, large size, skin deep purplish red, a good keeper. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c.

**Prizetaker.** The largest yellow onion, flesh white and of mild flavor.

Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c.

**White Portugal.** One of the best white sorts; bulbs mature early, very mild flavor, the best to grow for sets. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c.

## Onion Sets

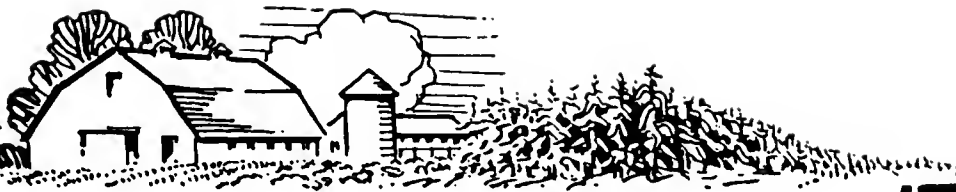
(Recleaned). Onion Sets should be planted as early in the spring as the ground is dry enough to work in rows 12 inches apart and 2 to 4 inches apart in the rows.

If sent by mail add 8c postage for first pound, 1c for each additional pound.

**Japanese Onion Sets.** This onion will actually double the yield of any other onion set on the market. If the sets are planted early in the spring the onions will be ripe in July and can be used all through the fall and winter. It throws few seed stalks, is an excellent keeper and the flavor is mild and sweet. Qt. (1 lb.) 25c, pk. (8 lbs.) \$1.50.

**White Onion Sets** Qt. (1 lb.) 25c, pk. (8 lbs.) \$1.50.





## Parsley

Soak the seeds a few hours in lukewarm water and sow early in the spring in rich soil in drills one foot apart, thin out the plants to 4 inches apart in the rows.

*One ounce to 150 feet of drill.*

**Double Curled or Covent Garden.** One of the best sorts, handsome, bright green color; leaves finely crimped and curly.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**Plain or Single.** A fine strain, very dark green. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

**Hamburg or Turnip-Rooted.** The roots resemble a small parsnip; used for flavoring soups, etc. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 45c.

## Parsnip

Sow as early in the spring as the weather will permit in deep, rich soil in drills 18 inches apart, covering the seed slightly; thin to 5 or 6 inches apart in the rows.

*One ounce to 100 feet of drill; five pounds to the acre.*

**White Model.** A highly improved type producing uniformly large and handsome roots of stocky form, heavy at the shoulder, well rounded, gradually tapering to the base. Flesh white, of fine texture, free from core and stringiness; fine flavored. Cooks tender; sweet and rich; enormously productive and exceptionally smooth. Matures in 100 days.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.50.

## Pepper

Sow the seeds in hotbeds early in April. Transplant when 2 or 3 inches high to 3 inches apart. Transplant to the open ground about the first of June, in rows 2 feet apart and 18 inches apart in the rows. The soil should be rich and mellow.

*One ounce will produce about 2,000 plants.*

**Large Bell or Bull Nose.** Large and of mild flavor largely used for pickling.

Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 60c.

**Long Red Cayenne.** Bright red, long, slender pods, very pungent.

Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.

**Pimento.** A very thick fleshed sweet variety, uniform in shape and size. Color dark green changing to a brilliant red. Very desirable for salads on account of its fine flavor and superior quality.

Pkt. 10c,  $\frac{1}{2}$  oz. 25c,  $\frac{1}{4}$  lb. \$1.25.

**Squash or Tomato-Shaped.** Fruit medium size, early and productive.

Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 65c.

**Sweet Italian.** A superb variety of exceedingly mild flavor. Grows 6 to 7 inches in length and 2 to 3 inches thick at the base. Very attractive in appearance. The fruit is light green, turning bright scarlet.

Pkt. 10c,  $\frac{1}{2}$  oz. 30c, oz. 50c.

## Seed Potatoes

*Eight to ten bushels will plant one acre.*

*One peck will plant 75 hills.*

Potatoes are sent by express or freight, purchaser paying charges.

We offer particularly fine strains of certified Irish Cobbler and Green Mountain Seed Potatoes.

Write for prices.



*Improved Semesan Bel for Treatment of Seed Potatoes (See page 20)*

## Pumpkin

Same cultivation as for squash.

*One ounce will plant 20 hills; one pound will plant 250 hills.*

**Connecticut Field.** Very productive, usually grown in fields with corn for feeding stock.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00.

**King of the Mammoths.** The best mammoth pumpkin, flesh is a golden-yellow, a splendid keeper and valuable for stock feeding.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.

**Small Sugar.** Very sweet and fine grained, a good keeper, best sort for family use.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**Winter Luxury.** Round, slightly larger than the Sweet Sugar variety. Color russet yellow, flesh thick, firm and excellent quality. A very fine winter sort.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

## Salsify

(Vegetable Oyster)

One of the most delicious and nutritious of vegetables.

Sow early in the spring in drills 14 inches apart and 1 inch deep. Cultivate the same as for carrots and parsnips. They can be left in the ground until spring.

*One ounce to 50 feet of drill.*

**Mammoth Sandwich Island.** This variety grows to a large size and is superior in quality to the Long White. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c.




# Garden Peas

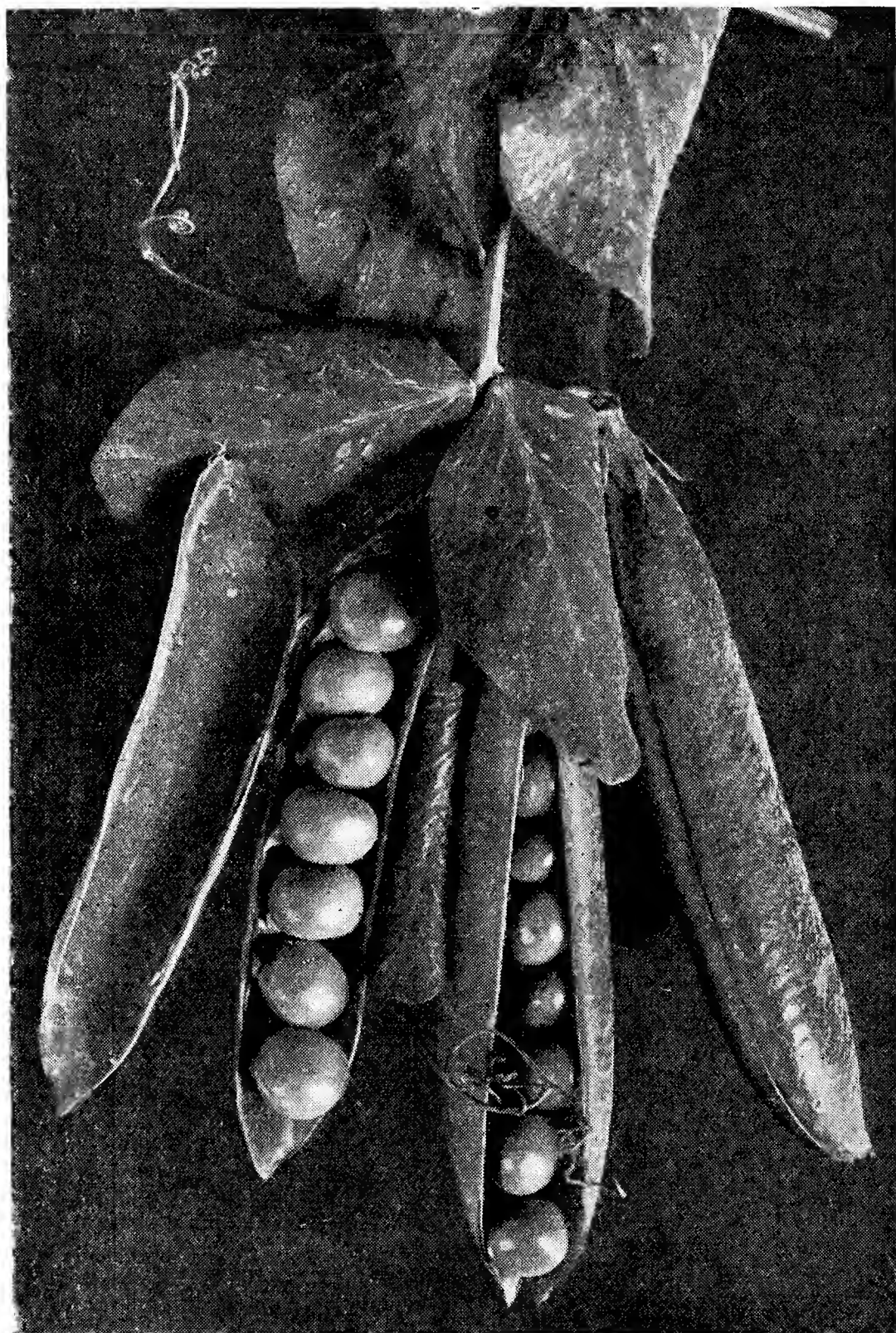
Sow the early, smooth round sorts as early in the spring as the ground can be worked, in light, dry, rich, loamy soil. The wrinkled varieties are more tender and the seed is more liable to rot and should not be planted when the ground is cold and wet. Sow in rows 3 or 4 feet apart and about 1 inch apart in the rows, 3 to 4 inches deep. Peas grown as a market crop are never staked, but when the taller sorts are grown for private use they are generally sown in double rows, 6 to 8 inches apart, and staked with brush. For best results all garden peas require good, strong, fertile soil. One pound will plant about 50 feet of drill.

If wanted by Parcel Post, add postage—8c for first pound, 1c for each additional pound.

**Burpee's "Blue Bantam."** An extra early variety of the finest quality. Height 18 inches. Length of pod 4 to 4½ inches. ½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Early Eight Weeks.** One of the earliest dwarf Peas in cultivation, maturing in advance of the standard varieties. The plant attains a height of about 1½ feet, producing pods in great abundance.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.



*Gradus Peas*

**Gradus, or Prosperity.** The earliest and most popular of the large-podded, wrinkled peas; vines vigorous, bearing large pods from 4 to 4½ inches in length, filled with large peas of the finest quality and delicious flavor; height 3 feet.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Laxtonian.** One of the most remarkable varieties yet introduced; very dwarf, growing 18 inches high, pods 4½ inches long, containing peas of fine flavor.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Little Marvel.** A dwarf variety of even growth, about 18 inches in height; pods dark green, medium size, often produced in pairs; as early as Nott's Excelsior, equal in flavor and more prolific.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Nott's Excelsior.** A splendid early sort; peas are always well filled with large peas of delicious flavor. Height 15 inches.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Sutton's Excelsior.** As early as Nott's Excelsior, with much larger pods, a large cropper and of rich flavor; height 1½ feet.

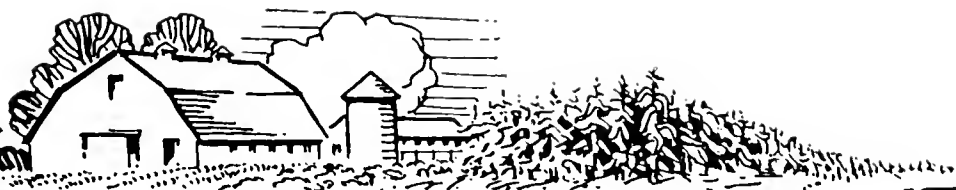
½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Thomas Laxton.** Similar to Gradus. The pods are long, straight, with square ends, and contain 7 or 8 peas of the finest flavor; hardy and productive; height 3 feet.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**World's Record.** A popular large-podded, extra early, wrinkled pea which matures several days earlier than the wellknown Gradus. Its growth is quite similar to that of Gradus, pods uniformly large, packed with handsome wrinkled peas of the finest flavor. World's Record is an especially valuable sort for market gardeners because ½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.





## Garden Peas

### Medium and Late Varieties

**Admiral Dewey.** One of the finest and most desirable of the large-podded varieties. The vines are of vigorous growth; the pods are always of good size well filled with peas of the highest quality; specially recommended for the home garden and market growing; height 4 feet.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Carter's Quite Content.** The largest podded variety yet introduced, foliage deep green, with pods 5 to 5½ inches long containing from 9 to 11 large peas of excellent quality. Especially recommended for the market or private garden. Height 3 to 4 ft.

½ lb. 20c, lb. 35c, 2 lbs. 60c, 7 lbs. \$1.75, 14 lbs. \$3.25.

**Everbearing.** Very prolific, pods about 3 inches long, peas large and of good quality; height 2½ feet.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Improved Telephone.** An improvement on Carter's Telephone for purity and uniformity of habits, bearing in great abundance large, dark green pods, containing peas of fine flavor, height 4 feet.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone, bearing heavy pods, about 4½ inches long, height 2 feet.

½ lb. 20c, 1 lb. 30c, 2 lbs. 50c, 7 lbs. \$1.50, 14 lbs. \$2.75.

**Onward.** A very distinct and valuable new mid-season variety, coming in just ahead of Telephone. A heavy cropping pea, 3 feet in height, with vigorous, strong, medium-green foliage. Pods are 4 inches long, large, broad, straight and blunt ended, deep green in color containing 6 to 8 deep green sweet peas. Decidedly the best pea of recent introduction.

½ lb. 20c, 1 lb. 35c, 2 lbs. 60c, 7 lbs. \$1.75, 14 lbs. \$3.25.

### YOUR GARDEN PEAS, BEANS & SWEET PEAS

*need more than sun and water*

#### Inoculate!

**P rice 25c**

Before planting, apply a fresh bacteria fertilizer to the seed.

one can enough for from 1 oz. to 8 lbs. seed.



*Produces bigger and better quality crops.*

*Develops rich, beautiful sweet peas*



## Radish

The seeds should be sown in light, rich, sandy loam. For an early supply, sow in a hotbed in rows 4 inches apart. Sow in the open ground as soon as the ground can be worked in rows 8 to 12 inches apart ½ inch deep. If the radish makes rapid growth it will be crisp and tender. Sow every week or ten days for succession.

*One ounce for 100 feet of drill.*

**Crimson Giant.** An extra early, turnip-shaped variety, growing very large, yet never pithy, always hard and solid; good for forcing and equally as good if grown in the open ground.

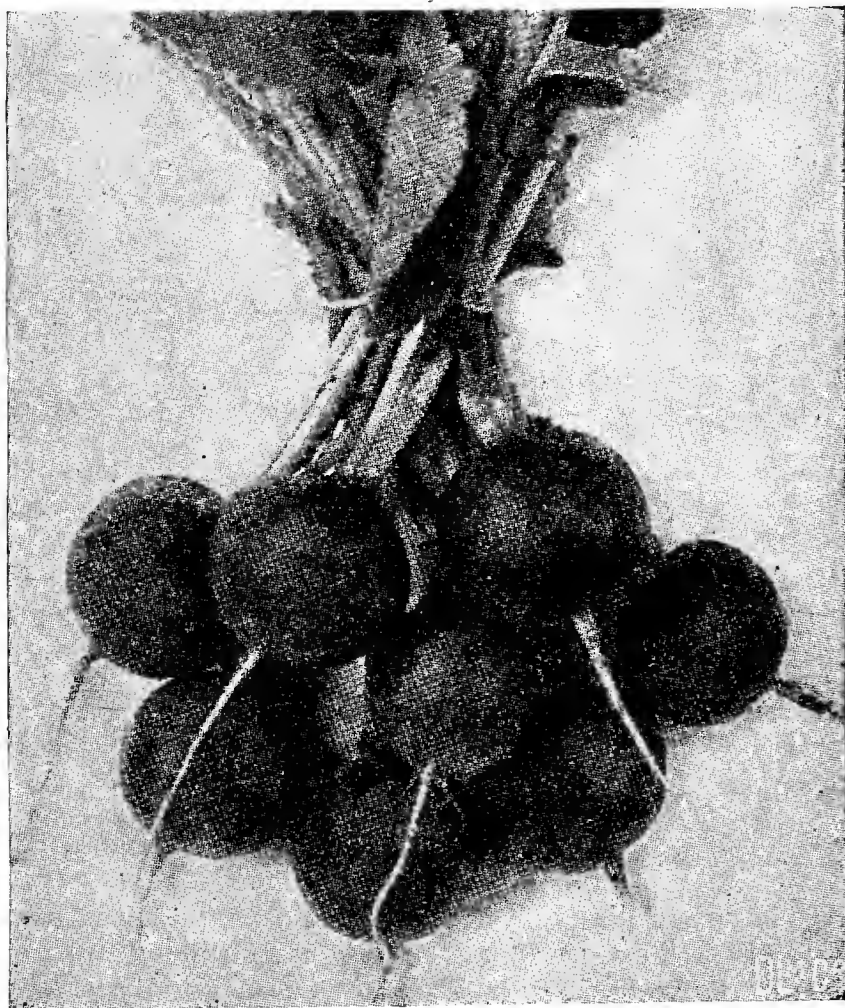
Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**Early Scarlet White-Tipped.** Small, round, red short tops, crisp and tender.

Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**Scarlet Globe.** One of the best varieties for forcing or sowing in the open ground; globe shaped, scarlet color, crisp and tender.

Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.



*Scarlet Globe Radish*

**French Breakfast.** Oblong shaped, color scarlet, white-tipped, rapid grower, mild and tender.

Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**White Icicle.** Finest white radish. It is long, slender, pure white, roots of excellent quality. Fine for forcing.

Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**White Stuttgart.** A turnip shaped, white radish, growing to large size; fine quality.

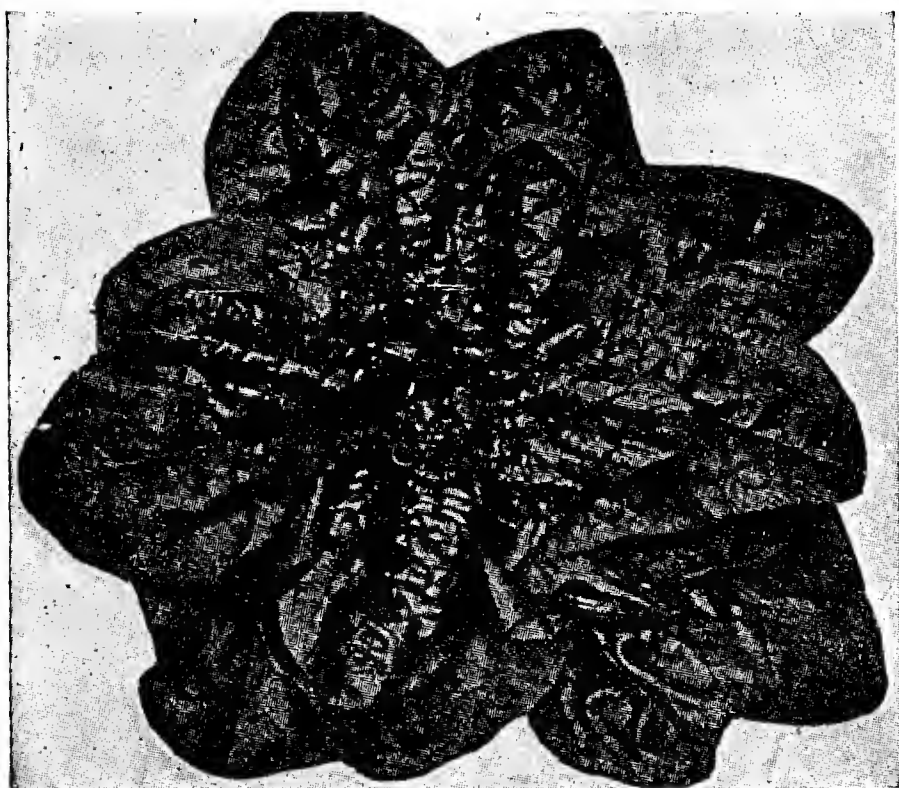
Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.50.



## Spinach

Sow early in the spring in drills one foot apart, covering the seed one inch deep, thinning out as it grows. For a succession sow every two weeks. For winter and early spring use, sow in August; cover with straw on the approach of severe cold weather.

*One ounce to 50 feet of drill; ten to twelve pounds to the acre.*



*King of Denmark Spinach*

**Blight Resistant Savoy.** A Savoy-leaved sort, bred at the Virginia Experiment Station for blight resistance. Upstanding, vigorous plants, seeding rather early; highly desirable for planting in infested soil.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**King of Denmark.** The leaves are dark green, very thick and crumpled, and of good quality. Remains in good condition two or three weeks longer than any other variety before running to seed.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**Princess Juliana.** A spinach of the long season type, but leaves are more crumpled, of a darker green color. Good size, thick and of good quality. Will stand two weeks longer than most other sorts before bolting to seed. Matures in about 50 days.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**Bloomsdale.** A very hardy variety; large thick, crumpled leaves, a favorite with Market Gardeners. The best for early spring or fall.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**New Zealand.** A plant of branching habits which stands drought. Soak the seeds in warm water before planting. Plants should not be closer than 2 feet apart each way.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.00.

## Squash

Squash are quite tender and should not be planted until the ground has become thoroughly warm and all danger of frost is past. Plant in light, rich soil, well pulverized. Bush varieties should be planted about 4 feet apart and the running varieties about 8 feet.

*Bush varieties, one ounce to 40 hills; running varieties, one ounce to 15 hills, three to four pounds per acre.*

**Early Giant Summer Straightneck.** A desirable table sort, of dwarf, bushy habit, and very productive; the flesh is thick, yellow and of fine quality. One of the best market varieties.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.00.

**Boston Marrow.** A standard fall variety of a bright yellow color, an excellent sort for pies and largely used by canners.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**Delicious.** Fine grained, sweet and dry, no other squash can equal it in sweetness and richness of flavor. In shape and color it is similar to the Hubbard. Weighs from five to ten pounds.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**Hubbard (Cape Elizabeth grown).** The standard winter squash, more largely grown than any other late variety, dark green skin and rich flesh, an excellent keeper.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**Golden Hubbard.** Same type as the Green Hubbard but of rich orange red color and earlier to mature.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$2.75.

**Blue Hubbard.** Flesh fine-grained dry and of excellent flavor, a good keeper.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.00.

**Vermont Hubbard.** Originated by the Vermont Agricultural Experiment Station. Similar in size and shape to Improved Hubbard, but more warted and uniform. Fruits weigh 10 pounds; dark green in color; shell very hard and strong; flesh exceptionally thick, deep orange, dry, fine-grained, and of excellent flavor. A worthy addition to the Hubbard group.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.00.

**Table Queen or Des Moines.** Also called Acorn. Desirable for home and market garden use, also for shipping. Trailing in habit, with acorn-shaped fruits, ribbed, smooth, thin-shelled, dark green. Flesh light yellow, bakes well, with sweet, inviting flavor. An early maturing variety.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.00.

**Italian Vegetable Marrow.** Oblong, skin dark green at first, but changes to a lighter green as it matures. Excellent quality.

Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c.





## Tomato

Sow the seeds about the first week in March in a hotbed, greenhouse or in shallow boxes in a window. When the plants are about three inches high transplant to cold frames, setting the plants about 4 inches apart or in pots singly. Transplant to the open ground when danger of frost is past. Set in rows 4 feet apart each way, using a shovelful of rotten manure in each hill.

*One ounce will produce about 1,500 plants.*

**THE PRITCHARD OR SCARLET TOPPER TOMATO.** A disease resistant variety introduced in 1931 by Dr. F. J. Pritchard of the U. S. Department of Agriculture. It is a cross between Marglobe and Cooper's Special and has inherited the good qualities of both. Fruits—large, smooth, globular, solid, with thick walls and small seed pockets. Color—bright scarlet. Very desirable for both home and the market gardener. Pkt. 15c, oz. \$1.00.

**Break O'Day.** Our strain is the true Break O'Day, grown from seed from trial plots. The main feature of this variety is its earliness, for it is as early as Earliana. As to shape it resembles Marglobe, being globe shaped but slightly thicker near the stem than at the blossom end. Pkt. 10c; oz. 50c.

**"John Baer."** An extra early variety of superior merit. It produces perfect, solid high crown, beautiful, brilliant red tomatoes, is almost seedless, and has a mild, deliciously sweet flavor. Uniform in size and ripening. A valuable variety for the market or home garden. Pkt. 10c; oz. 35c.

**Abbotts Early Red.** A deep blood red variety. Foliage and vine medium. The fruit is smooth, uniform and of excellent flavor and quality. Pkt. 10c., oz. 50c.

**Earliana.** Color bright red, growing in clusters of medium size, smooth, solid and of fine flavor; excellent for the market and home garden. Pkt. 10c; oz. 35c.

**Bonny Best.** Early and prolific; fruit is smooth, round scarlet, of fine flavor. Pkt. 10c., oz. 35c.

**Stone.** The most reliable of the main crop, very large, bright scarlet, smooth, solid and very productive; is a good shipper. Pkt. 10c., oz. 35c.

**Marglobe.** It is of fine appearance, perfect globe shape, and deep scarlet in color. Its spreading habit of growth enables it to bear large, perfectly shaped fruit, ripening well up to the stem. Pkt. 10c., oz. 50c.

**Red Cherry.** Pear shape scarlet fruit used for pickling. Pkt. 10c., oz. 35c.

**Yellow Cherry.** Bright yellow, best for preserving. Pkt. 10c., oz. 35c.

## Turnip

Turnips do best in rich, light, sandy soil. For early use, sow in the spring as soon as the ground can be worked in drills 1 foot apart. Cover  $\frac{1}{2}$  inch deep. Thin plants to 6 inches apart. For a succession, sow every two weeks until August. Rutabagas are usually sown broadcast, but larger crops are obtained if the seed is sown in drills 18 inches apart and thinned until August. Sow from June to the middle of July.

*One ounce will sow 150 feet of drill; one to two pounds to an acre.*

**Early Purple Top Milan.** One of the earliest flat turnips; flesh solid and of good quality. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Purple Top White Globe.** An early variety, of superior quality, globe-shaped, white flesh, tender and sweet, one of the best for table use. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Purple Top Strap Leaf.** Fine grained, never stringy and of mild flavor. It is white below with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 55 days. Desirable for the home, garden or market. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

## Rutabaga

**Perfect Model.** An improved strain of the finest yellow-fleshed rutabaga, remarkable for uniform shape and fine quality, very sweet and tender and a good keeper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Millpond Purple Top Swede.** An imported strain of Purple Top Rutabaga, very smooth and uniform shape. Excellent keeper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Improved Long Island.** Undoubtedly one of the finest varieties of purple-top Rutabaga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb., 50c., lb. \$1.25.

## Sweet and Medicinal Herbs

Sow in the spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distance or transplant; cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry.

Anise Annual	Fennel, Sweet Perennial
Basil, Sweet Annual	Marjoram, Sweet Annual
Catnip Perennial	Sage Annual
Chervil Annual	Summer Savory Annual
Dill Biennial	Thyme Perennial

Any of the above 10c per Pkt.



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## Field Corn

*Plant eight to ten quarts per acre in hills, one to one and one-half bushels broadcast, one bushel in drills.*

### “A. S. & L. Special” Ensilage Corn

**“A. S. & L. Special” Ensilage Corn.** An early hybrid corn making large ears and an immense amount of foliage. This corn is grown especially for us by growers who have made an extensive study of ensilage corn so that we can highly recommend this variety, especially its milk producing qualities. It has been used extensively by our customers in this section for several seasons and has given wonderful results. Write for prices.

**Early Eight-Rowed Yellow Flint.** This corn is grown right here in Maine and is the earliest yellow variety we know. It matures in ninety days and the ears are long with small cob filled to the tip with large, broad kernels. We recommend this corn highly for Grain or Ensilage. Write for prices.

**Genuine Eureka Ensilage.** This corn grows from 12 to 15 feet and makes a heavy thick growth of fodder. Try this variety if you want the maximum tonnage. Write for prices.

**Imperial Leaming.** A yellow Dent variety very valuable for ensilage. The plants are tall with a large amount of foliage. Each stalk usually produces two good long ears. Write for prices.

**Sweet Fodder Corn.** For soiling or ensilage. Some dairymen prefer the sweet fodder corn to the ordinary ensilage variety, and although it does not make as large a stalk, nor as much foliage, it is highly relished by stock. It does best when sown in drills at the rate of 2 bushels to the acre. Write for prices.

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### Stanley's Crow Repellent

Saves replanting, prevents crows, other birds and animal pests from pulling corn. Protects corn from rot caused by moisture. Makes seed germinate faster. Does not clog planter. Large can, enough for two bushels of seed corn, \$1.00. Small can, enough for one bushel, 60c.



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## Grains and Farm Seeds

Owing to condition of all markets we ask that you *write us* for quotations on your requirements for Grain and Farm Seeds.

**Spring Wheat, Marquis. (Beardless).** An early and productive variety. The kernel is flinty, darker red and more plump than Red Fife and matures a week to ten days earlier; weight 64 to 66 lbs. per measured bushel.

**Hungarian.** A popular annual hay used for hay and forage, yielding two to three tons per acre. Sow 1 bushel to the acre. Weight 48 pounds per bushel.

**Japanese Millet.** A forage plant of excellent quality, growing 6 to 8 feet in height, and yielding 10 to 15 tons per acre. Sow 20 lbs. per acre broadcast, 15 lbs. in drills 18 inches apart.

**Winter Vetch.** Suitable for both spring and autumn seeding, and if intended to stand over the winter, they should be sown as long before winter as possible to enable them to become established firmly.

**Canada Field Peas.** A valuable crop for soiling and for cattle feed. Sow  $2\frac{1}{2}$  bushels per acre—if sown with oats, use one and one-half bushels each of the oats and peas.

**Buckwheat (Japanese).** The best and most profitable variety. It is earlier and more productive than the Silver Hull.

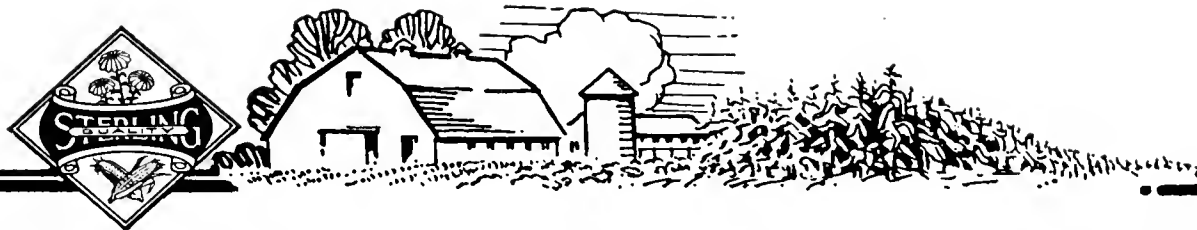
**Storm King Oats.** One of the earliest, heaviest and most prolific domestic-grown seed oat in cultivation. The heads measure from 8 to 10 inches and the kernels are of immense size, thick, plump and heavy.

**Swedish Select.** Native to northern Europe, this is a splendid variety for all sections, and particularly so to our States north of this latitude. A very productive sort; the straw is heavy and stiff and the grains plump and attractive in appearance.

**Northern White Oats.** On account of their low price this oat is used extensively for fodder, but will show very good results when cut for grain.

**Barley, 6 Rowed.** A hardy and productive bearded variety. Excellent for cover crop.

**Winter Rye (Rosen).** Rosen Rye produces a strong, vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and beautiful color. Owing to its vigorous stooling property, less seed is required per acre.



# “Sterling Quality” Grass and Clover Seeds

Kindly write us for Quotations

**Timothy or Herd’s Grass** (“Sterling Quality”). Perennial. Roots are fibrous in moist soils, but in dry soils often become bulbous; blooms in June and July. While this grass is commonly known as Timothy, it is frequently called Herd’s Grass. It is the most valuable grass for hay, especially in the north, thriving best on moist, loamy soils of medium tenacity.

**Red Top, Fancy Recleaned** (“Sterling Quality”). Root-creeping; perennial; flowers in July. This valuable grass has been commonly cultivated in our fields for over a century. It is a fine permanent grass, and forms a nutritious pasturage when fed close. It is valuable for all wet soils, producing a large return in good hay.

**Kentucky Blue Grass.** Root-creeping; perennial; flowers in June. This valuable grass is very common in the soils of America, and is excellent for pastures. It is a very valuable species in lawn mixtures.

**Orchard Grass.** Root fibrous, perennial, flowers in June and July. This is one of the most valuable and widely known of all the pasture grasses.

## Clovers

**Domestic Grown Red Clover** (“Sterling Quality”). The leading variety of Clover for pastures or meadows. Requires deep, rich soil. Sow in Spring.

**Grimm Alfalfa Clover.** This variety of alfalfa is considered by many to be hardier and more productive than any other, and even at the higher price we believe it is the most economical seed to plant in New England. Valuable as hay and forage crop. Sow 15 to 20 pounds per acre.

**Alsike Clover** (“Sterling Quality”). The hardiest of all clovers; it resists cold and extreme drought, and for low, wet land, is most valuable. Excellent for bees.

**Sweet Clover, Bokhara.** Used as a soil-improving crop.

**White Clover.** Largely used in lawn and pasture mixtures.



Guaranteed Fresh each Year.  
Leads in High Germ Count

### NITRAGIN INOCULATION PRICES

When ordering, always specify  
kind of seed.

#### Alfalfa, all Clovers

Size	Retail
1/2 bu. ....	\$.50
1 bu. ....	.90
5 bu. ....	4.00

#### Peas, Vetch, Beans, Austrian Winter Peas

Size	Retail
1/2 bu. ....	\$.40
1 bu. ....	.60
*1-2/3 bu. ....	.90
5 bu. ....	2.50

\*“100 lb. size.” Pack-  
ed only for Vetch  
and Aust. Pea.

#### Soy Beans, Cow Peas, Lespedeza (Hulled)

Size	Retail
1 bu. ....	\$.40
2 bu. ....	.70
5 bu. ....	1.50
10 bu. ....	2.50

#### Garden NITRAGIN for Peas, Beans, Sweet Peas

Inoculates from 1 oz.  
to 8 lbs. seed,  
Price 25c

**ALWAYS LOOK ON THE LABEL for the  
GERM COUNT, yearly Expiration DATE  
and the PRICE**

## INOCULATE your legumes

Alfalfa, clovers, soy beans, cow peas, vetch, peas, lespedeza,  
beans ... with

The Original Legume Inoculator



### COSTS YOU FAR LESS

When you buy NITRAGIN you buy billions of fresh Legume Germs—not just a package of inoculation. You cannot see the Germs, but NITRAGIN is the only inoculant sold that actually guarantees the number packed in each container.

### PLAY SAFE—USE NITRAGIN

The Germ Count and the Expiration Date on the label of every can gives you double protection. NITRAGIN is always reliable.

Buying a cheap Inoculant by price on package only is a gamble. Like cheap seed, cheap inoculants are by far the most expensive.

### NITRAGIN IS EASY TO APPLY WITH OR WITHOUT WATER

NITRAGIN is a granular moist soil-like culture packed in tins. Directions on every can. If mixed well can be applied to seed without water and good inoculation will result. However any inoculation will give more uniform results when water is used as recommended by agricultural authorities.

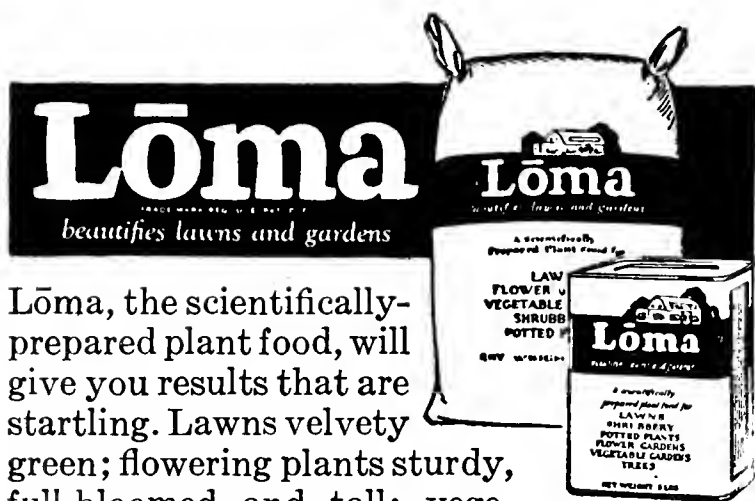
Remember NITRAGIN can do anything claimed by  
other inoculants and do it BETTER and CHEAPER.

**NITRAGIN HAS SERVED THE AMERICAN FARMER SINCE 1898**





## For Every Need **FERTILIZERS** In Any Quantity



**Lōma**, the scientifically-prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Lōma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Lōma works quickly. In a week's time you can see the difference in your lawn.

1-lb. can.....	\$ .15
5-lb. can.....	.50
10-lb. bag.....	.85
25-lb. bag.....	1.75
50-lb. bag.....	3.00
100-lb. bag.....	5.00

### Something Sensational!

Remarkable results are reported in unsolicited testimonials from well known and progressive florists and landscape gardeners who are using our new, special formula.

### GREENHOUSE SPECIAL (No Filler) Fertilizer

*A 100% all around fertilizer with a Venezuelan Sheep Manure and Organic Tankage base*

for  
Lawns      Vegetables      Flowers      Greenhouses  
and Putting Greens

50 lb. bag \$2.00, 100 lb. bag \$3.75.

## VIGORO Complete plant food

1 lb. 10c, 5 lbs. 50c, 10 lb. bag 85c, 25 lb. bag \$1.75, 50 lb. bag, \$3.00, 100 lb. bag \$5.00.

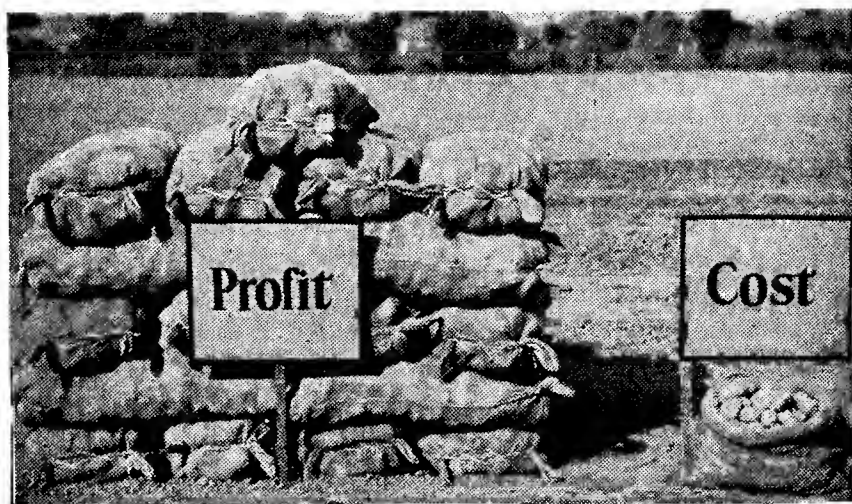
### Pulverized Sheep Manure

50 lb. bag \$1.50, 100 lb. bag \$2.50.

Write for prices on

COMMERCIAL FERTILIZERS  
AGRICULTURAL LIME  
ACID PHOSPHATE  
NITRATE OF SODA  
PURE GROUND BONE  
SULPHATE OF AMMONIA

## DuBay Seed Disinfectants Pay Large Profits



Only 0.4 of a bushel of potatoes out of the average increase of 35.4 bushels was required to pay for the cost of Improved Semesan Bel—a return on money invested of 9830%.

**Semesan.** A general disinfectant for vegetable and flower seeds or bulbs, and certain plant diseases. 2 oz. tin 50c, 1 lb. tin \$2.50, 5 lb. tin \$11.75.

**New Improved Semesan Bel.** Treatment of seed potatoes will bring you more profit than ever before. This quick dip treatment has cut treating costs to 1½c to 3c per bushel of seed and gives equal or better control of seed-borne Rhizoctonia and scab than the old soak treatments.

Prices: 4 oz. 50c, 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25, 100 lbs. \$120.00. Free pamphlet.

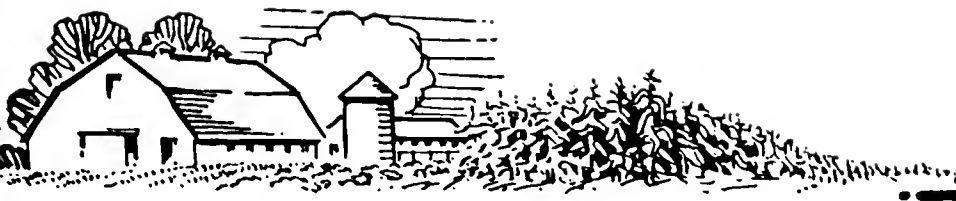
**Semesan, Jr.** A Dust disinfectant for seed corn. Field or sweet corn dusted with Semesan, Jr. is protected from root-rots carried by the seed and from rotting in cold, wet soil, and gives better stands and yields of improved quality. Costs less than 3c per acre.

Prices: 4 oz. 40c, 1 lb. \$1.50, 5 lbs. \$7.00, 25 lbs. \$31.25. Free pamphlet.

**Nu-Green.** A grass disinfectant for Brown Patch prevention and control.

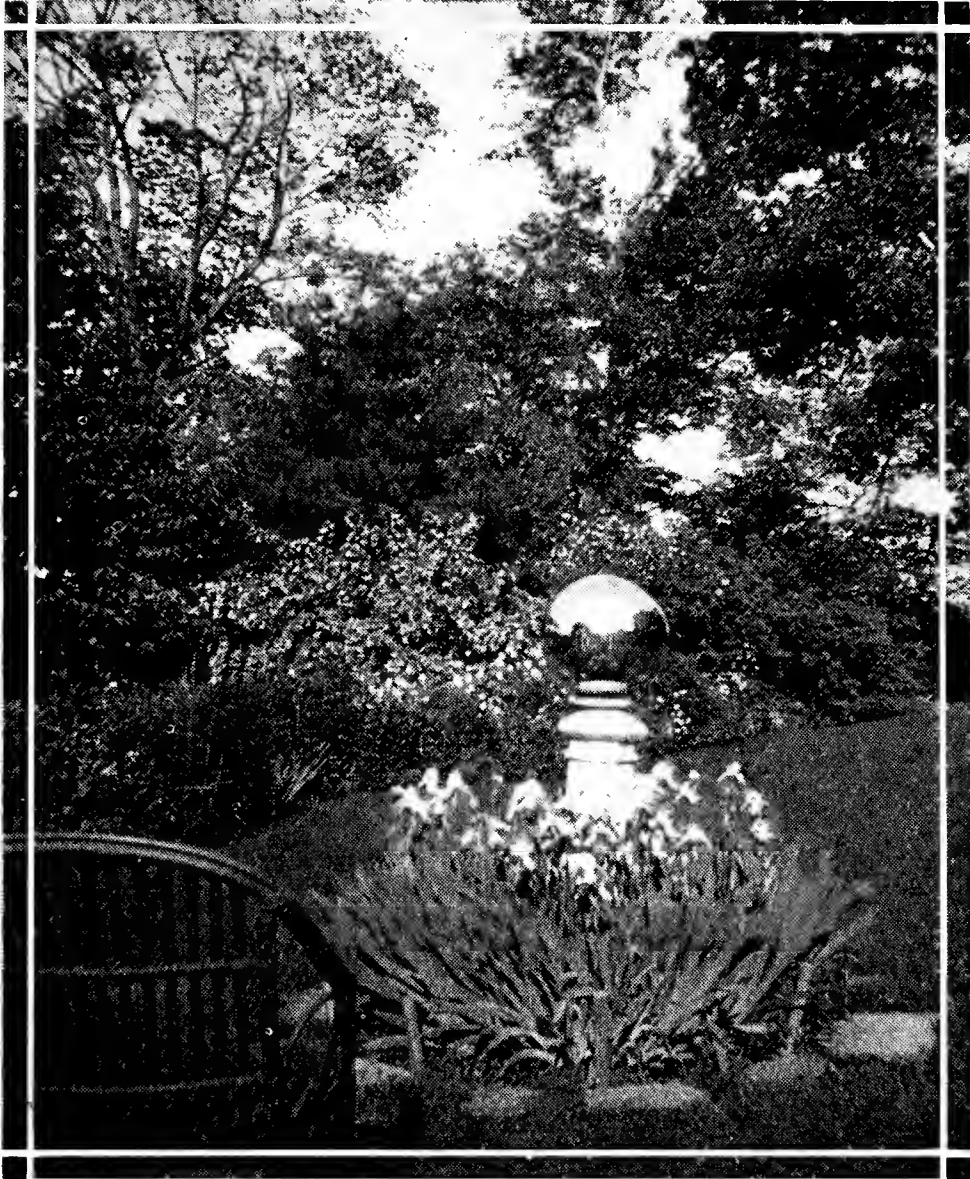
3 oz. tin 50c, 1 lb. tin \$1.75, 5 lb. tin \$8.00, 25 lb. pail \$30.00, 100-lb. drum \$115.00, 300-lb. drum \$330.00.





# “Sterling Quality” Lawn Seeds

We mix them ourselves—using only pure solid seed



## HOW TO MAKE A LAWN

The essentials of a beautiful lawn are: rich well drained soil; careful preparation of the ground, to make it fine, smooth and mellow; wise selection of seeds; sowing at a time when the young plants will have a chance to become well established before they are exposed to dry or cold weather or hot summer sunshine.

Special care should be given to selection of grasses because some varieties are most luxuriant in spring, some in summer, others in autumn, and a combination of the proper sorts is necessary to insure a velvety carpet-like lawn.

Seed may be sown early in spring or in fall. It should be sown at the rate of one pound to every 200 square feet, or 200 pounds to the acre.



## “A. S. & L.” Extra Fine Lawn Seed

This is a mixture of low growing grasses especially adapted to making a fine carpet-like lawn. Each variety has a different period of luxuriant growth so that the lawn is in excellent condition all summer. We take great pride in the quality of our “A. S. & L.” Lawn Seed as we use only the best solid seed obtainable, without chaff or “filler” of any kind. We know that you will be pleased with this seed.

Price 40c per pound, 5 lbs. \$1.90, 10 lbs. \$3.60. By mail add postage.

## A. S. & L. “Park Mixture”

This is composed of solid clean seed and gives a fine effect for a large area. Our Park Mixture has been used extensively by the City of Portland for many years and has given splendid satisfaction wherever used. To those who desire a strong quick growing lawn we recommend this seed.

Price per pound 35c, 5 lbs. \$1.65, 10 lbs. \$3.10.

## A. S. & L. “Shady Place” Mixture

This is a mixture of extra fine Grasses adapted for growing in the shade and under trees. We recommend the use of this mixture wherever other grasses on account of shade have failed to make a close sward. Sow at the rate of 1 lb. each 200 sq. ft. for a new lawn, or about half that quantity for renovating existing turf.

Price 50c per pound, 5 lbs. \$2.40, 10 lbs. \$4.60. By mail add postage.

Do not be disappointed if expensive lawn seed germinates slowly. The finer the seed, the slower it germinates. The best lawns do not come entirely to maturity the first season.



# SEED FOR GOLF CLUBS

## Special Mixtures for Putting Green and Fairway

It has been our privilege to furnish many golf clubs with their special requirements of seed for putting greens and fairways, and we are also prepared to quote on special formulas as designated or on the named varieties which are used extensively in the best mixtures.



*"Riverside"—the beautiful municipal golf course of Portland, Maine.  
It was our privilege to furnish seed for this very successful new course.*

WE ALWAYS CARRY IN STOCK THE FOLLOWING VARIETIES OF SEED FOR THE GOLF LINKS AND CAN MAKE PROMPT SHIPMENT

**Rhode Island Bent.** A pure hardy strain of creeping Bent. It forms an ideal turf of dark green color and is uniform in texture.

**Chewings New Zealand Fescue.** For either putting greens or fairways.

**Gold Red Top.** Superfine re-cleaned. Purity test 98% or better.

**Kentucky Blue Grass.** A wonderful seed for fairways or lawns, 21 lb. seed.

**Pacey's Perennial Rye.** Grows on almost any soil and shows a very early Spring growth. Adaptable as a cover grass for finer varieties.

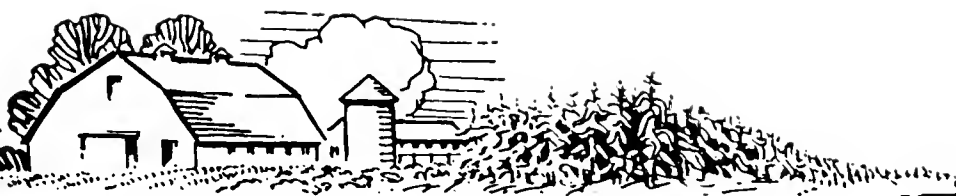
**Rough Stalked Meadow Grass (*poa trivalis*).** Perennial. Grows to perfection on moist rich soils, and is also well adapted for shady places.

### To the Chairman of the "Greens Committee"

There never has been a season when "Sterling Quality" Seed for the Putting Green or Fairway could be purchased so reasonably. It is a splendid opportunity to build that new green and re-seed that old troublesome fairway at approximately half the usual cost. Let us quote you on your requirements.

*Allen, Sterling & Lothrop*





## “Sterling Quality” Choice Flower Seeds ANNUALS

FREE DELIVERY to any address in the United States, on all Flower Seeds, by the packet, ounce, half-pound, and pound.

### FROM ALL PARTS OF THE WORLD

*The foremost flower seed growers supply us with the different varieties of “Sterling Quality” seeds.*

*The varieties listed in our catalogue have been selected with great care. We know that no better seeds can be purchased regardless of the amount you pay.*

ALLEN, STERLING & LOTHROP

**Acroclinium.** A half-hardy annual bearing white and rose-colored flowers which are used when dried for winter bouquets. 1½ feet. Rose and white, mixed. Pkt. 10c.

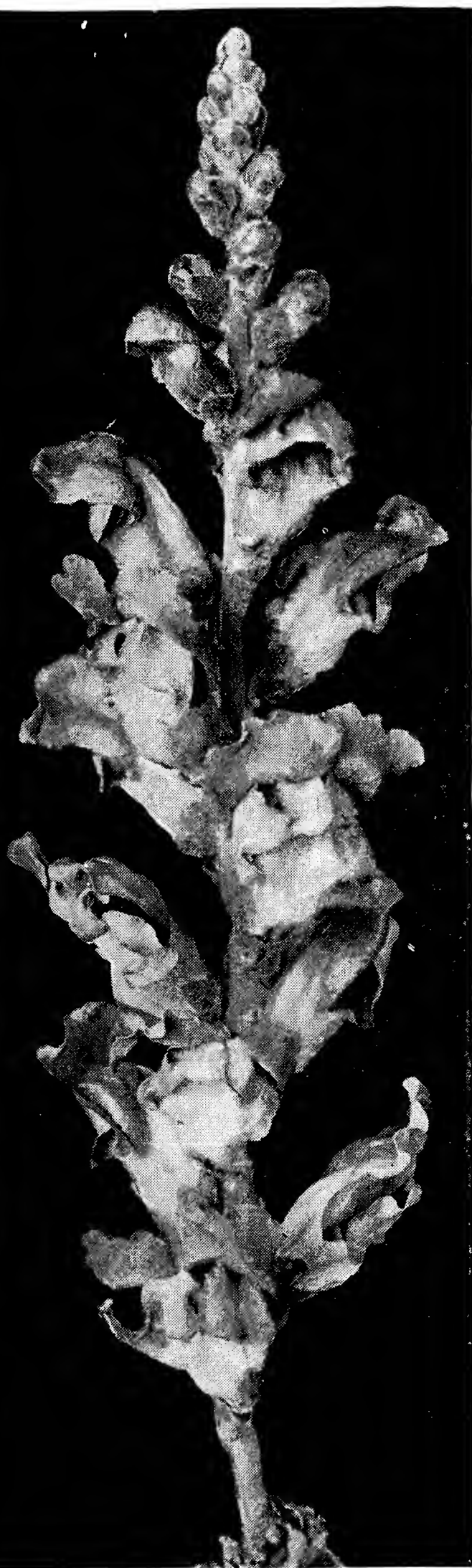
**Ageratum.** A beautiful, hardy annual. The flowers, which are produced in clusters, are very attractive in the garden and are very useful for bouquets. *Little Blue Star*, bright blue flowers, 6 inches; *Blue Perfection*, dark blue, 1½ feet. Pkt. 10c.

**Alyssum.** A fragrant, hardy annual, bearing spikes of small white flowers in great profusion throughout the summer and autumn. Useful for borders and for cutting. *Sweet Alyssum*, flower small and sweet, oz. 50c. *Little Dorrit*, pure white, very dwarf and sweet scented, oz. \$1.00. *Lilac Queen*, of dwarf compact habit, with flowers of a pure lilac color, 4 inches. Pkt. 10c.

**Antirrhinum (Snapdragon).** A half-hardy perennial, easily raised from seed. Bloom profusely the first season from mid-summer till fall.

### TALL, MAXIMUM VARIETIES

*Canary Bird*, canary yellow with golden yellow center. *Copper King*, velvety copper scarlet. *Snowflake*, pure white, yellow lobe. *The Rose*, rose pink. *Mixed*, a well balanced mixture of the above varieties. Pkt. 10c.



*Antirrhinum or Snapdragon*



# Asters

A popular half-hardy annual produced in a great variety of classes and an almost endless number of colors. The tallest varieties grow about two feet high and some varieties of dwarfs are not six inches high. The best method of culture is to sow the seed in boxes in March or April. Cover the seeds about one-fourth inch deep with rich, light soil, and when the plants have three or four leaves transplant about 15 inches apart each way. The seed can be sown in rows where the plants are to remain, thinning them from six to twelve inches apart, according to variety. One of the best annuals for cut flowers.

**California Giants.** A type characterized by the Beauty's vigorous growth and the Crego or Ostrich Feather type of flower. A true non lateral type. The flowers are much larger and more substantial than the improved Crego, measuring 5 to 6 inches in diameter, and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive when arranged in floral work—Peach Blossom—Light Blue—Dark Purple—White—Deep Rose—Mixture of above.

Per pkt. 20c each, 3 pkts. 50c

**Astermum.** A select strain of this new aster. The flowers are of immense size, with curled and twisted petals, closely resembling the blooms of Japanese Chrysanthemums. Mixed colors.

Per pkt. 10c.

**Ball's White.** Pure white, branching habit, medium early.

Per pkt. 10c.

**Moreton Pink.** This is of the upright Comet type. It is a beautiful shade of flesh pink and very desirable.

Per pkt. 10c.

**The Royal.** An early flowering aster; the plants are of branching habit; the flowers are very double and are borne in great profusion on long stems. Mixed colors.

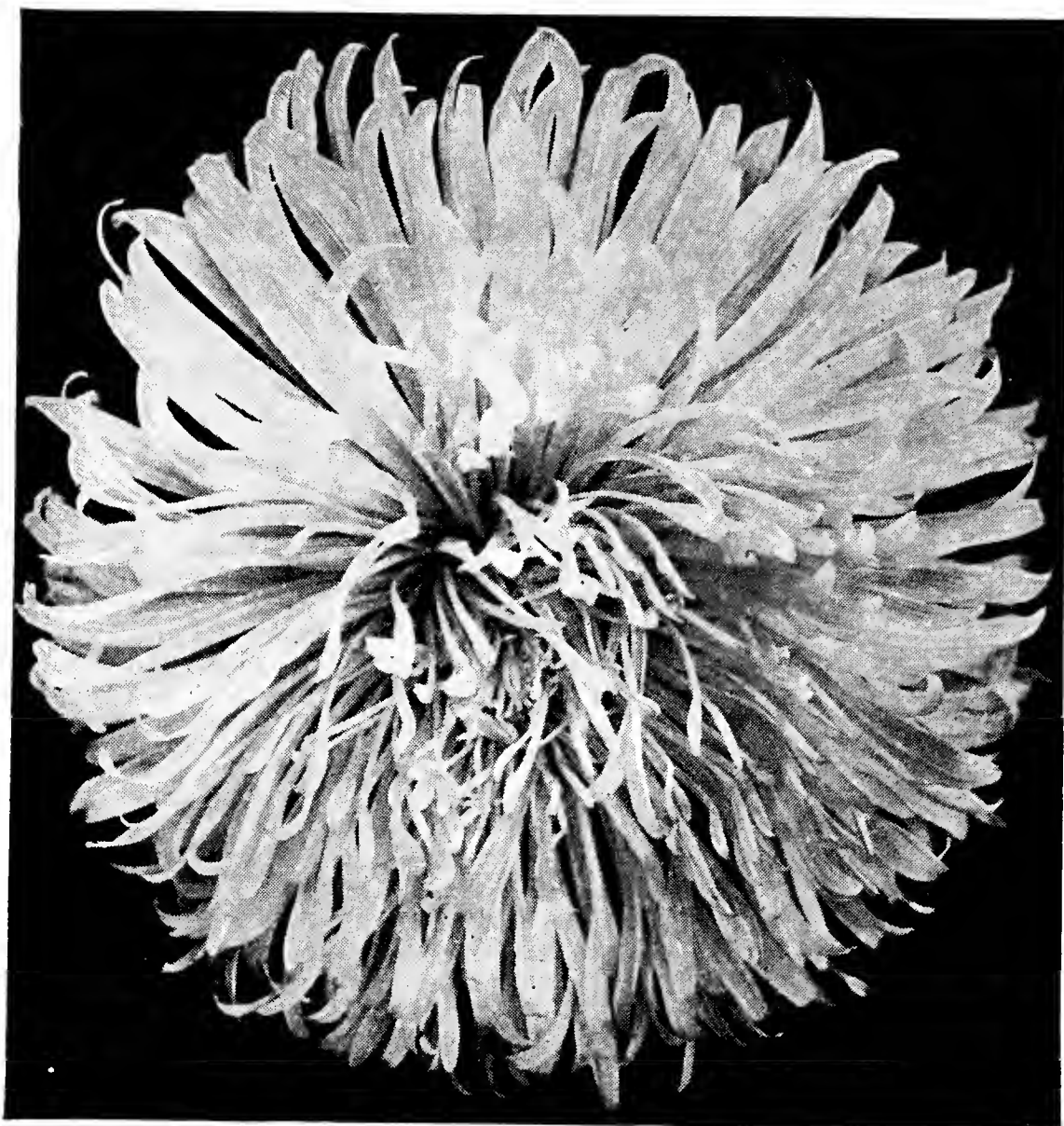
Per pkt. 10c.

**Queen of the Market.** One of the earliest blooming varieties. The plants are about 1 foot high, bearing from ten to fifteen finely formed flowers on long and graceful stems. White, light pink, lavender and mixed colors.

Per pkt. 10c.

**Heart of France.** This is one of the largest flowering of the very dark red sorts. The plants are nicely branched and the flowers grow on long, strong stems. Height 2 feet.

Per pkt. 10c.



*Astermum*

**Sinensis.** The Sinensis flowers are small, round and compact. Height 2 feet. Lavender, Dark Blue, White, Flesh Pink, and mixed colors.

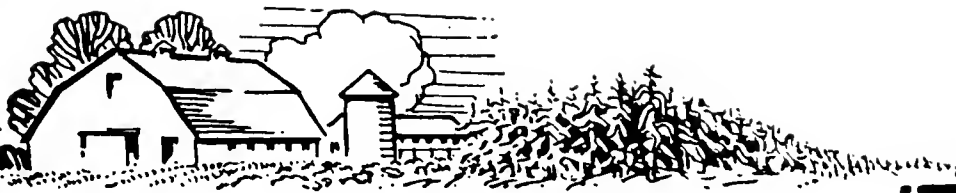
Per pkt. 10c.

**Single California Giants.** A splendid early flowering variety.

Mixed colors—per pkt. 10c.

**Improved Giant Crego.** One of the finest varieties of asters, flowers very large, often five inches across, with long, stout stems. Keep longer in good condition when cut than any other variety. Height 2½ feet. White, shell-pink, rose-pink, lavender, orchid, purple and mixed colors.

Per pkt. 10c



*Bachelor's Button*

**Bachelor's Button.** Hardy annual of easy culture, one of the most attractive of all the old fashioned flowers. Sow the seed where it is to remain and thin to six inches. Single varieties *Blue* and *Mixed Colors*; Double varieties *Blue*, *Pink* and *Mixed*. Pkt. 10c.

**Balsam (Double).** A favorite garden flower producing masses of beautiful, brilliant-colored double flowers of easy culture; succeeds in a good rich soil; set the plants one foot apart; tender annuals; 2 feet. Mixed colors. Pkt. 10c.

**Beans, Flowering.** Popular ornamental climbers, 6 to 8 feet. Scarlet Runner, pkt. 10c.

In our Flower Seed Department we have a great ambition! To supply you right here in Portland not only with all the old favorite flower seeds, but also with the new varieties which are so popular among garden clubs and amateur flower growers.

Just Try Our Seeds!

**Brachycome, Swan River Daisy.** Dwarf compact-growing annual with an abundance of daisy-like blue flowers. Fine for edging. 6 inches. Pkt. 10c.

**Browallia.** Very handsome, free-flowering plants. 1½ feet high. Mixed. Pkt. 10c.

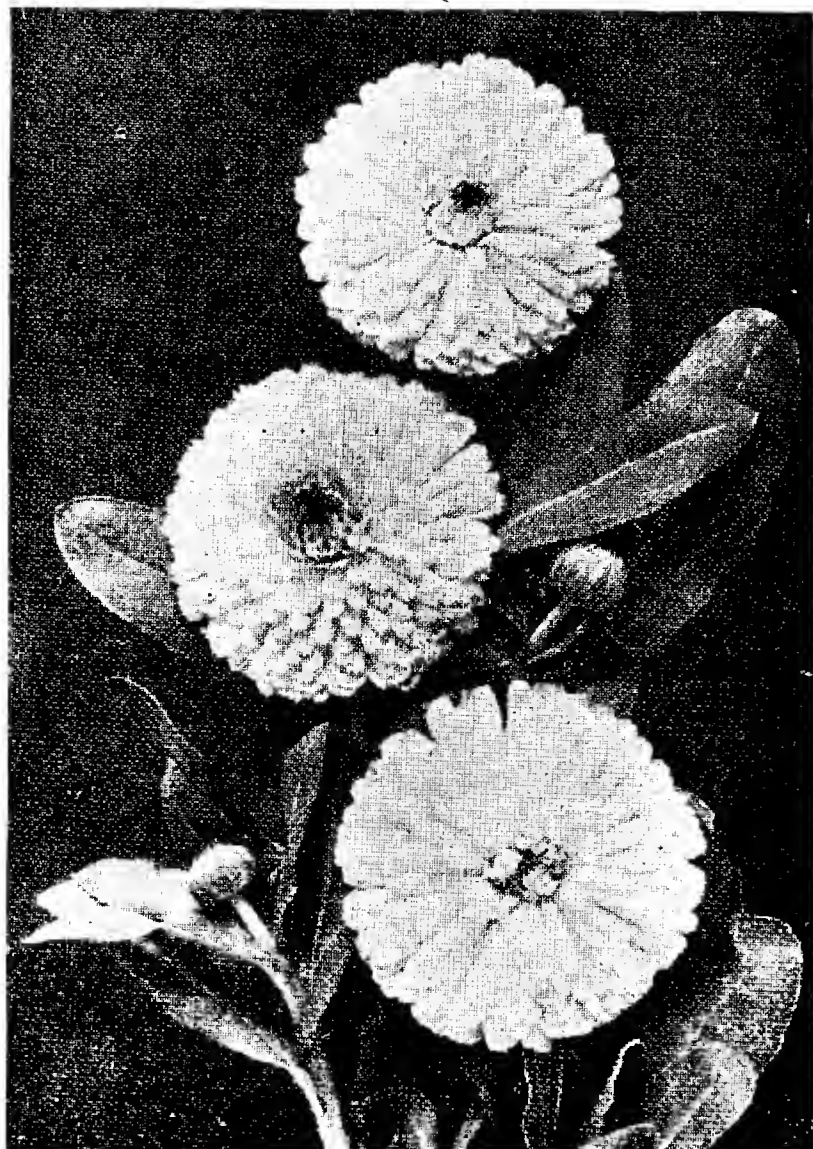
**Canary Bird Vine.** Half-hardy, climbing annual, bearing an abundance of bright yellow fringed flowers. Pkt. 10c.

**Calendula.** Profuse-blooming dwarf annuals; of easy culture and flowering until frost.

	per pkt.
<i>Ball's Orange</i> (florist's strain) . . . . .	10c
<i>Orange King</i> , double, dark orange red . . . . .	10c
<i>Lemon Queen</i> , lemon-yellow . . . . .	10c
<i>Mixed Varieties</i> . . . . .	10c

**Calliopsis.** A hardy annual growing about 2 feet high, valuable for bright bedding effects or for cutting. Blooms from June until September. Double mixed colors, fine varieties. Pkt. 10c.

**Candytuft.** A hardy annual of easy culture and valuable for bedding or massing. *Giant Hyacinth Flowered.* Very large heads and long spikes. Height 1 foot; Colors: *Crimson*, *Flesh*, *Pink*, *White*, *Mixed*, all colors. Pkt. 10c.



*Calendula*





**Carnation (Giant Marguerite).** A general favorite, popular for their delicious fragrance and richness of colors. Mixed. This is a splendid mixture of the Giant Marguerite Carnations, including many colors, which will add color contrast to a bed or border planted with these lovely blooms. Our strain is carefully selected and comes very double. Per Pkt. 10c.

**Centaurea (Dusty Miller).** Half-hardy perennial, used for borders or edgings. *Gymnocarpa*. Leaves silver gray, with graceful, drooping habit. 1½ feet. Pkt. 10c.

**Chrysanthemum (annual).** Summer-blooming annuals, growing 12 to 18 inches high. Very effective for bed or cut blooms. Double mixed. Pkt. 10c.

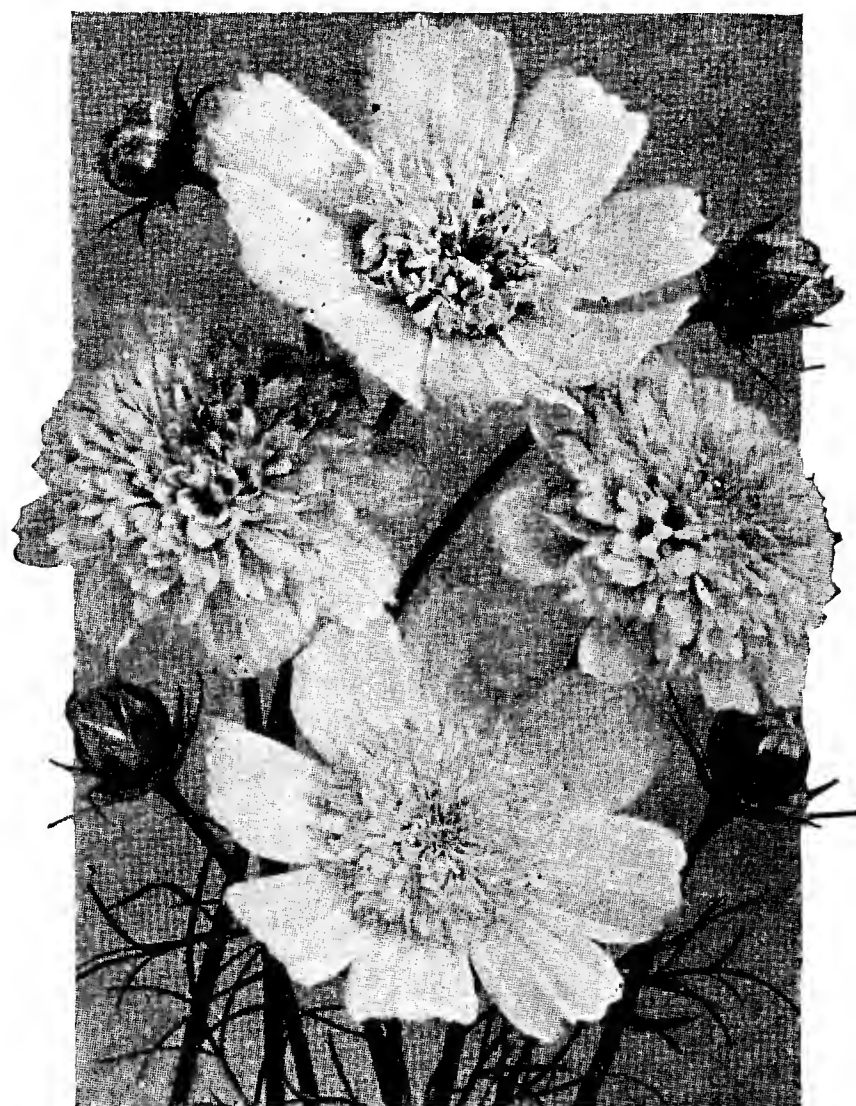
**Clarkia-Elegans Double.** The enormous improvement in the Elegans class, which now includes a wide range of beautiful colors, has brought these flowers into much favor. Hardy annual. *Rose, Mixed*, all colors; *Queen Mary*, a beautiful new rose carmine Clarkia. Pkt. 10c.

**Cobaea.** *Scandens, blue.* A tall rapid-growing climber, with handsome foliage and large bell-shaped flowers half-hardy perennial. Start in cold frame. Pkt. 10c.

**Cockscomb.** *Glasgow Prize.* Very popular annuals of the easiest culture, producing large, ornamental comb-like heads; useful both for summer bedding and pot plants. Brilliant, deep purplish-red combs, dark foliage. Height about one foot. Pkt. 10c.

**Coleus.** A tender annual, growing about 10 to 18 inches high, and grown for its beautiful, bright-colored, velvety leaves. *Mixed Hybrids.* Finest mixed varieties. Pkt. 25c.

**Convolvulus major (Morning Glory).** A handsome, showy climber of easy culture and suitable for covering verandas, trellises, etc. The flowers are most brilliant in the morning and run through many shades from white to dark blue, red and striped. Hardy annuals 10 feet high. Mixed choice colors. Pkt. 10c.



*Double Cosmos*

**Cosmos.** (Early Flowering). A very effective flowering plant, quite hardy and rapid growing, forming bush-like plants 4 to 6 feet high and covered with large, single, dahlia-like flowers. Start in March and transplant to open ground about June first. Colors: *White, Pink, Mixed*, all colors. Pkt. 10c.

**New Extra Early Flowering Double Cosmos.** They grow to a height of about three feet, forming a perfect bush massed with bloom, bearing beautiful double flowers of good size on long stems; they come about seventy-five per cent double from seed. They bloom in seventy days from the day seed is sown, and continue until cut down by frost. Colors: *Crimson, Pink, White, Mixed all colors.* Pkt. 25c.

**Cypress Vine (Cardinal Climber).** A summer, climbing annual with fine, feathery foliage and pretty star-shaped flowers. *Scarlet.* Pkt. 10c.

**Datura.** Large, strong growing plants with large trumpet-shaped flowers. 3 feet. Mixed, all colors. Pkt. 10c.

Soft as Kid

Tough as Iron

*National*

# Eazy Wear

*Garden Gloves*

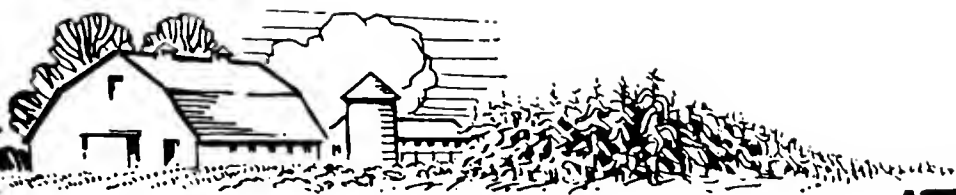
A soft—pliable—ALL LEATHER—dirt proof glove for both MEN and WOMEN—specially adapted for gardening.

Four Sizes—Medium and Large for Women. Medium and Large for Men.

State Size Desired

**75c per pair Postpaid**





**Dianthus, or Pinks.** Hardy biennials that bloom the first season, remaining green all winter and blooming the next year also if lightly protected. Old plants flower the earliest, but as young ones give the larger, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted. Average height, 1 foot. *Mixed* all colors. Pkt. 10c.

**Didiscus (Blue Lace Flower).** An attractive annual blooming from July until frost. The flowers are pale lavender and are invaluable for cutting. Height 1½ feet. Pkt. 10c.

**Dimorphotheca (African Golden Daisy).** The Dimorphotheca has acquired a place in the garden next to the Nemesia; both of which in their original form were found wild in Africa. *Mixed*. Pkt. 10c.

**Eschscholtzia**, the state flower of California. The foliage is finely cut, delicate and very attractive. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom. Hardy annual; height 1 foot. *Aurantiaca*, rich golden yellow; *Carmine King*, beautiful shade of carmine—rose; *Chrome Queen*, rich chrome yellow; *California*, deep yellow, orange center; *Grandiflora Mixed Colors*. Pkt. 10c.

**Gaillardia.** Very showy plants with brilliant flowers. Hardy annuals, 2 feet high. *Single Mixed*, annual. Pkt. 10c.

**Godetia.** This is an effective annual not nearly common enough in our gardens. Start in cold frame—can be sown in open. The graceful sprays make a handsome decoration for vases. Tall varieties with flowers in long loose sprays. Height 2 to 3 feet. *Cherry red, Mauve, Rosy Morn, White, Mixed*. Pkt. 10c.

**Gourds.** Ornamental, rapid-growing, trailing annuals, with curiously shaped, highly-colored fruits. Cultivate the same as melons or squashes. 10 to 20 feet. *Mixed Varieties*. Pkt. 10c.

**Gypsophila. (Baby's Breath).** *Elegans grandiflora alba*. Free-flowering, elegant plants, succeeding in any garden soil. A hardy annual, pure white flowers. Pkt. 10c.

**Helichrysum (Straw Flower).** Everlasting flowers, large and full. Cut before the flowers fully expand. Hardy annual, 2 feet. *Double Mixed*. Pkt. 10c.

**Heliotrope.** This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding. *Finest Mixed*. Pkt. 10c.

**Hollyhock.** The annual hollyhock is becoming more popular each year. Hardy annuals, blooming the first season. *Single Mixed, Double Mixed*. Pkt. 10c.

**Humulus Japonicus (Japanese Hop).** Fast-growing, annual climber. 12 feet. Pkt. 10c.

**Hunnemannia (Giant Yellow Santa Barbara Tulip Poppy; Bush Eschscholtzia).** A sun-kissed golden yellow poppy too little known. This is by far the best of the poppy family for cutting, remaining in good condition for several days. The flowers resemble in size and shape the Iceland Poppy, and are never out of flower until hard frost. Plant very early where intended to flower. Height 2 feet. *Pink Variety*. Pkt. 10c.

**Hyacinth Bean.** Tender, climbing annual. Grows rapidly and is valuable for covering a trellis. The shining purple seed pods are very ornamental. *Finest Mixed*. Pkt. 10c.

**Kochia Childsii (Summer Cypress).** A splendid ornamental annual plant, forming dense oval bushes 2 to 2½ feet high, of small, feathery, light green foliage. As summer advances, this changes to a carmine hue and finally to a fiery red. A very attractive plant. Pkt. 10c.

**Larkspur (Delphinium).** Very ornamental plants, producing, in great variety of form and colors, some of the most beautiful flowers in cultivation. *Carmine King*, a truly beautiful deep carmine-rose shade. Excellent for forcing, with splendid long spikes. *Stock-Flowered*, double, branching; fine for cutting. 2 feet. Mixed colors. *Double Stock-Flowered Tall "Exquisite"*, an excellent variety for cutting or garden decoration, growing 2½ feet to 3 feet. The color is a beautiful soft pink. Hardy annual. Pkt. 10c.

**Lavatera (Mallow).** Beautiful hardy annuals covered the entire summer with saucer-shaped flowers. The seed may be sown where they are to bloom. Height 2 to 3 feet. *Pink, White and Rose Carmine*. Pkt. 10c.

**for Better Flowers**

feed them this complete,  
balanced diet

**VIGORO**

Complete plant food



**Linum Grandiflorum Rubrum (Scarlet Flax).** A beautiful and effective plant of slender and delicate growth, having a profusion of bright flowers. Hardy annual; about 1½ feet high. Pkt. 10c.

**Lobelia. Compacta.** The dwarf varieties are very useful for edging and the trailing varieties for hanging baskets and window boxes. *Sapphire*, blue trailing. *Crystal Palace* 6 inches. Dark blue bedding variety.

**Love-in-a-Mist.** A hardy annual, 1 foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture. *Mixed*, blue and white shades. Pkt. 10c.

**Lupins.** Showy plants, with long spikes of various colored pea-shaped flowers; very desirable for mixed borders. *Fine Mixed*. Pkt. 10c.

**Malope.** Free-blooming, hardy annuals suitable for mixed borders and fine for cutting. Height 3 feet. *Grandiflora Mixed*. Pkt. 10c.

## Marigold

**Marigold (Tagetes).** Profuse-booming bedding annual, showy flowers, bright yellow. Height 1 foot. Pkt. 10c.

### New Carnation-Flowered Marigold

**GUINEA GOLD.** This is, without question, the most glorious and most lovely of all Marigolds. The plants are of strong growth, about 2½ feet tall, and carry a great profusion of large, semi-double to double blooms, each one displayed on a fine long sturdy stem. The color is the richest, purest orange-gold imaginable. The formation of the blooms is less conventional but decidedly more artistic than that of all other Marigolds. The flowers resemble Giant Carnations more than Marigolds. Easy to grow. Pkt. 25c.

**Double African Varieties. Balls Orange.** A double variety with quilled petals; flowers showy, bloom very early. *Balls Lemon*, large, lemon-colored flowers; mixed colors. Pkt. 10c.

**French Varieties. Tall Double Mixed, Dwarf Double Mixed.** Pkt. 10c.

**Mignonette (Reseda).** A hardy annual, growing 6 to 12 inches high and bearing pyramidal-shaped flower spikes, which are exceedingly fragrant. Grows easily from boxes or sown out in the garden and thinned to 4 or 6 inches. Valuable for potting, for bedding or for border. *Large Flowered*, very sweet. *Goliath Red*, a giant red-flowered variety with rich green foliage, especially suited for house culture. ¼ oz. 50c. *Goliath White*, this splendid white variety has the same characteristics of the red sort. Pkt. 10c.



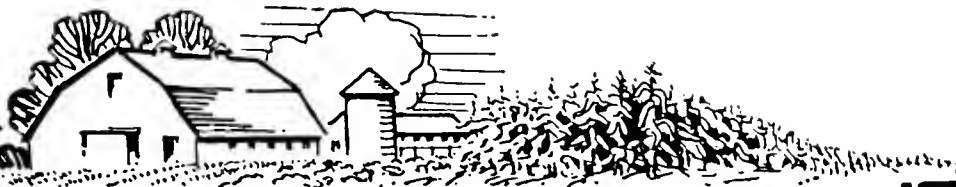
*Mignonette*

**Marvel of Peru.** The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. 2 feet high, with bright foliage and fragrant flowers of desirable colors. Seed should be planted in the open ground where plants are desired. Mixed colors. Pkt. 10c.

**Moonflower.** A beautiful vine which grows very rapidly, attaining a height of 50 feet in a season, producing flowers 3 to 4 inches across. Blossoms evenings and cloudy days. Soak the seeds in warm water 24 hours before planting. *Grandiflora Alba*, large white flowers. *Giant Pink*, soft lilac-pink flowers. *Heavenly Blue*. Pkt. 10c.

**Mourning Bride (Scabiosa).** A very showy free-flowering plant, producing a great profusion of beautiful and richly-colored flowers. Beautiful in the garden and excellent for bouquets. 12 to 18 inches high. Annual. Mixed colors. Pkt. 10c.

**Mimulus (Monkey Flower).** Handsome flowers of easy cultivation. Perennial in the greenhouse, annual in the open air. Mixed spotted varieties. Pkt. 15c.



## Nasturtium

A popular flower which is in constant bloom throughout the season, making a better display than almost any other plant.

Nasturtiums are of the easiest culture and require very little care after the seed is sown. Hardy annual.

### Bodger's New Double Sweet-Scented Nasturtium Golden Gleam

Awarded Gold Medal at  
Atlantic City Flower Show, 1931

Selected for Trial at Wisley, 1932.

The plant forms a vigorous, large bush which throws out short runners, averaging eighteen inches. The flowers commence as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

When well grown the remarkable formation of the petals gives the flowers a fully double appearance which is most attractive. An ordinary sized bouquet, when allowed to remain in a room for a short period of time, will fill the room with fragrance.

Golden Gleam was distributed last season to over three hundred customers throughout the world. We predict a very heavy demand for the season of 1932, and advise placing orders early to assure delivery. Per pkt. 25c.

### DWARF MIXED NASTURTIIUMS

"A. S. & L." Extra Choice Mixture. Our own mixture from a selection of named varieties and colors. Nothing finer.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

### TALL MIXED NASTURTIIUMS

"A. S. & L." Extra Choice Mixture. Our own selection.

Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, 1 lb. \$1.25.

**Nemesia Strimosa Sultoni.** Free-blooming plants for pot culture and open border. Sow the seed in March under glass or sow out of doors in May. Hardy annual. 1 foot. Mixed colors. Pkt. 10c.

**Nicotiana.** Showy plants with slender, tall, flowering stems and fragrant flowers; half-hardy annuals. About 3 feet high. *Mixed Hybrids*, all colors. Pkt. 10c.

## [Pansy

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seed sown in a cool place in May or June, and well watered until up, will produce tall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth; use manure liberally.

**Perfection** (new). A super mixture containing the finest types of pansies, and many new sunburst pansies, smoky rims, henna shades, with fine long stems. Pkt. 50c. *Greenhouse Special Mixed*. Pkt. 25c. *Choice Mixed*. Pkt. 10c.

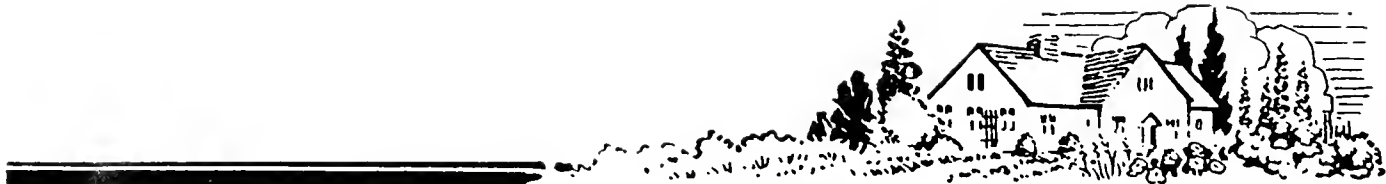
**Passion Flower (Passiflora).** A half-hardy perennial climber, bearing attractive blue fringed flowers. Height 10 to 15 feet. Pkt. 10c.

**Phlox Drummondii.** Grandiflora. One of the most satisfactory bedding plants. A hardy annual growing about one foot high, and bearing beautiful and brilliantly-colored flowers. *Primrose, Pure White, Lilac, Crimson. Mixed*, best large-flowered varieties. Pkt. 10c.



*Nasturtium*





# Petunia

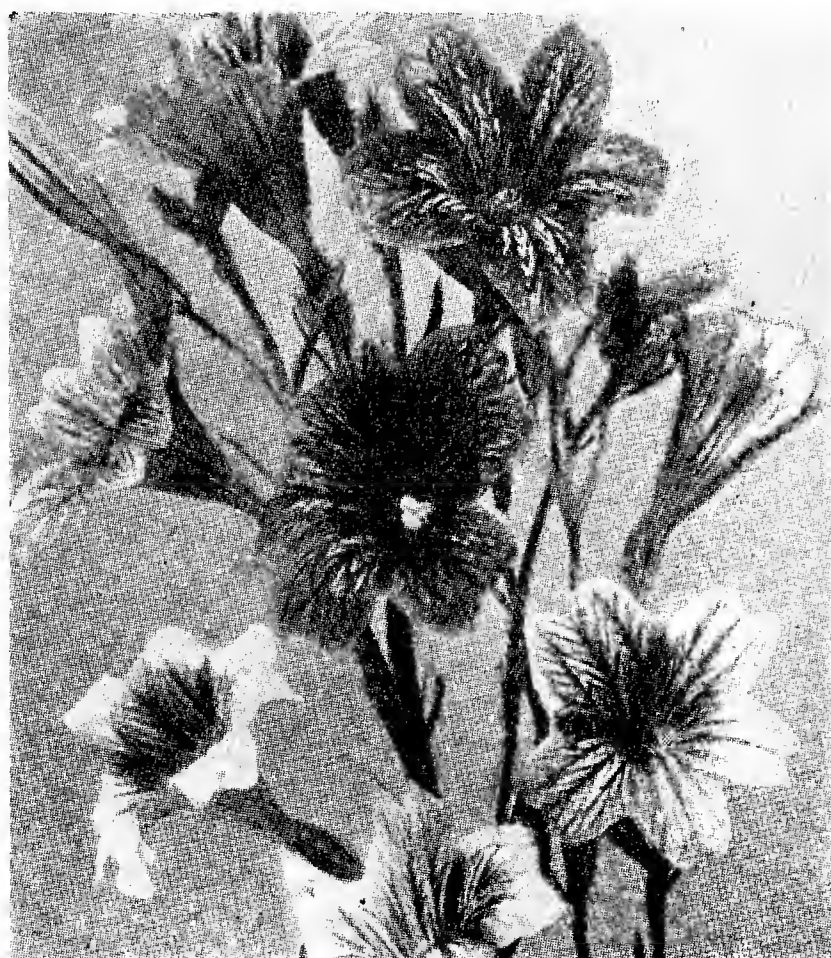
**Petunia.** Free-flowering and easily cultivated; well-known favorites. They thrive in almost any soil and produce a brilliant array of color throughout the season. *Giants of California*, flowers very large, and deeply fringed. A variety of colors. Pkt. 25c. *Rosy Morn*, a bright rosy pink with white throat. Pkt. 15c. *Rose of Heaven*, a very effective rich and brilliant rose colored variety. Pkt. 15c. *Balcony*, a splendid large and free-flowering type, fine for window boxes, etc. Colors: rich indigo blue, red and white. Pkt. 15c. *Choice Mixed*, striped and blotched. Pkt. 10c.

## POPPY

The seed should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Thin 6 to 10 inches apart. If left thick the plant will be weak and the blossoms inferior.

**Shirley Varieties.** The most beautiful type of poppies, having soft foliage and an immense variety of blossoms in white, pink, lavender, purple, shades of red and scarlet; the best and most showy of all single poppies.

*A. S. & L. Single Mixed. A. S. & L. Double Mixed.* Pkt. 10c. *"American Legion"* orange scarlet. Pkt. 15c.



*Salpiglossis*

## POPPY

**Carnation Variety.** *Double Mixed.* Pkt. 10c.

**Snowdrop.** *Pure White.* Pkt. 10c.

**Portulaca.** The flowers of the double variety are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower. Annual.

*Double Mixed Colors. Single Mixed Colors.* Pkt. 10c.

**Rhodanthe.** Fine for garden. Comes into flower early and continues a long time. One of the best everlasting for bouquets. *Fine Single Mixed.* Pkt. 10c.

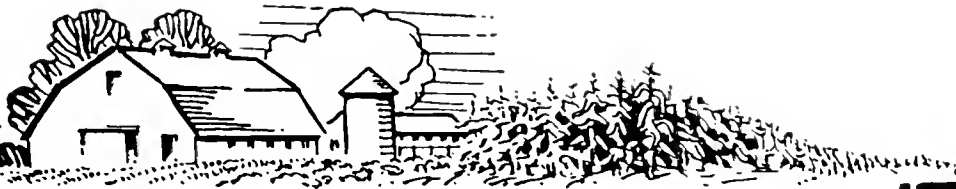
**Ricinus (Castor Oil Bean).** A half-hardy annual, growing from 6 to 15 feet high. *Zanzibarensis Mixed.* A very large-leaved variety, light and dark green and bronze foliage; 10 to 12 feet. Pkt. 10c.

**Salpiglossis.** Very showy, half-hardy annual, with large veined funnel shaped flowers; much prized for cutting. *Dark Blue and Gold, Crimson, gold veined, Rose and Gold, Scarlet and Gold, Mixed.* Pkt. 10c.

**Schizanthus.** Hardy annuals, growing 1½ to 2 feet high, and covered with bright, showy, butterfly-like blossoms. *Choice Mixed Large Flowering.* Pkt. 10c.



*Shirley Poppy*



## Sweet Peas

The popularity of Sweet Peas is demonstrated by the many and beautiful varieties that are introduced each year. Our list includes all the best up-to-date varieties.

Sow as early as the ground can be prepared in a deep, rich, moist soil, in drills 6 inches deep, covering about 2 inches deep. As the vines grow, fill up the trenches with soil and thin out to about 4 or 5 inches apart. A popular plan at the present time is to sow in double rows with a trellis or a row of brush between. One-quarter of a pound of seed will sow fifty feet.

### Giant Spencer Varieties

The Spencers have very large waved flowers which are produced abundantly on long, strong stems, and are most desirable for cutting.

**Alexander Malcolm.** Very bright scarlet cerise.

**Annie Ireland.** White, with rose-pink edges.

**Apple Blossom Spencer.** Standard bright rose, wings primrose with a flush of rose.

**Asta Ohn.** The best lavender, very large and wavy.

**Austin Frederick Improved.** Large, pure lavender.

**Constance Hinton.** The largest white Spencer.

**Countess Spencer.** The original giant-flowered Spencer, clear pink.

**Crimson King.** The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat.

**Daffodil.** Very deep primrose.

**Daisy Bud.** Soft pale rose pink.

**Hebe.** A giant flower of finest form. Color bright rose pink. Flowers are beautifully waved.

**Jack Cornwell, V. C.** Deep blue. One of the most beautiful.

**King Edward.** The best pure red Spencer, very large.

**King Mauve.** Splendid shade of mauve.

**Majestic Cream.** Large deep cream.

**Morse's Sunproof Scarlet.** The brightest scarlet yet introduced.

**Mrs. Hugh Dickson.** Buff apricot and rose.

**Mrs. Tom Jones.** Deep amethyst blue, very fine form.

**Pink Pearl.** Clear early pink.

**Pinkie.** Delicate rose.

**Royal Scot.** Brilliant scarlet.

**Splendour.** Rich red maroon.

**Tangerine.** Salmon orange.

Price: Any of the above

Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00



*Pinkie*

#### A. S. & L. Superb Spencer Mixed

Our own mixture of true Spencer types only. As fine a collection of Sweet Peas as can be purchased anywhere. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c.



# Stocks

(Gilliflower)

Hardy annuals, 2 feet high, with spikes densely covered with beautiful double flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold frame, but transplanting should be done when the plants are just out of the seed leaf. Make the soil deep and rich, and set the plants a foot apart.

## LARGE-FLOWERING TEN WEEKS BEAUTY STOCKS

A magnificent race of recent introduction, with long trusses of extremely double flowers of delightful fragrance. For forcing in the greenhouse in winter they are unexcelled. They are equally good when planted in the garden, coming into bloom in about 10 weeks and lasting until late in the season. *Apple Blossom*, *Canary Yellow* (Monte Carlo), *Flesh Pink* (Beauty of Nice), *Light Blue* (Cote d'Azur), *White* (Mont Blanc), *Choice Mixed*. Pkt. 10c.



*Ten Weeks Beauty Stocks*

**Salvia.** Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May. Bloom from July to frost. Set plants 1 foot apart. Half-hardy annual.

**America.** An improved variety of dwarf, compact growth; very early and produces large spikes of brilliant scarlet flowers. Pkt. 15c.

**Bonfire.** Very compact, with long, erect spikes of brilliant scarlet flowers. 2 feet. Pkt. 10c.

The blue salvias are growing in popularity each year. They are best treated as an annual although Patens may be lifted in the fall and stored in the cellar in the same way that our grandmothers wintered their geraniums. *Blue Bird*, *Pink Bird*. Pkt. 10c.

**Statice (Sea Lavender).** Suworowi—an annual. Extremely popular for house decoration. Flowers bright rose color. Height 18 inches. Pkt. 10c.

**Sunflower (Helianthus).** Hardy annuals, growing from 3 to 6 feet. Of the easiest culture and suitable for a stately row or background. Plant in light or sandy soil. *Excelsior*, splendid variety, medium size flowers with good assortment of colors, double mixed. Pkt. 10c. *Miniature*. Small, single rich yellow flower with black center. 4 feet, pkt. 10c. *Sutton's Red*. Single large red flowers, shading to yellow at tips of petals. Height 6 feet, pkt. 10c. *Mammoth Russian*. Large yellow. Oz. 10c.

**Sweet Sultan.** Large, sweet-scented flowers. *Finest Mixed*. Pkt. 10c.

**Thunbergia (Black Eyed Susan).** Beautiful annual trailing plants for hanging baskets and vases. *Mixed colors*, 4 feet.  $\frac{1}{4}$  oz. 25c. Pkt. 10c.

**Verbena.** The rich colors of the fragrant Verbena have been found in our gardens for years. Lovely Mayflower! we might omit many annuals but never the Mayflower Verbena, for the colors are like those in the Trailing Arbutus. Always select a verbena without an eye—for a solid color is much more desirable. *Mayflower*, various shades of pink, *Blue Shades* (without an eye), *White*, dense heads of finely shaped white flowers, *A. S. & L. Mammoth Mixed*. Pkt. 10c.

**Wild Cucumber (Echinocystis Lobata).** This is a useful climber where a rapid and vigorous growth of vine is desired. The vine is thickly covered with white, fragrant flowers. Hardy annual. Pkt. 10c.

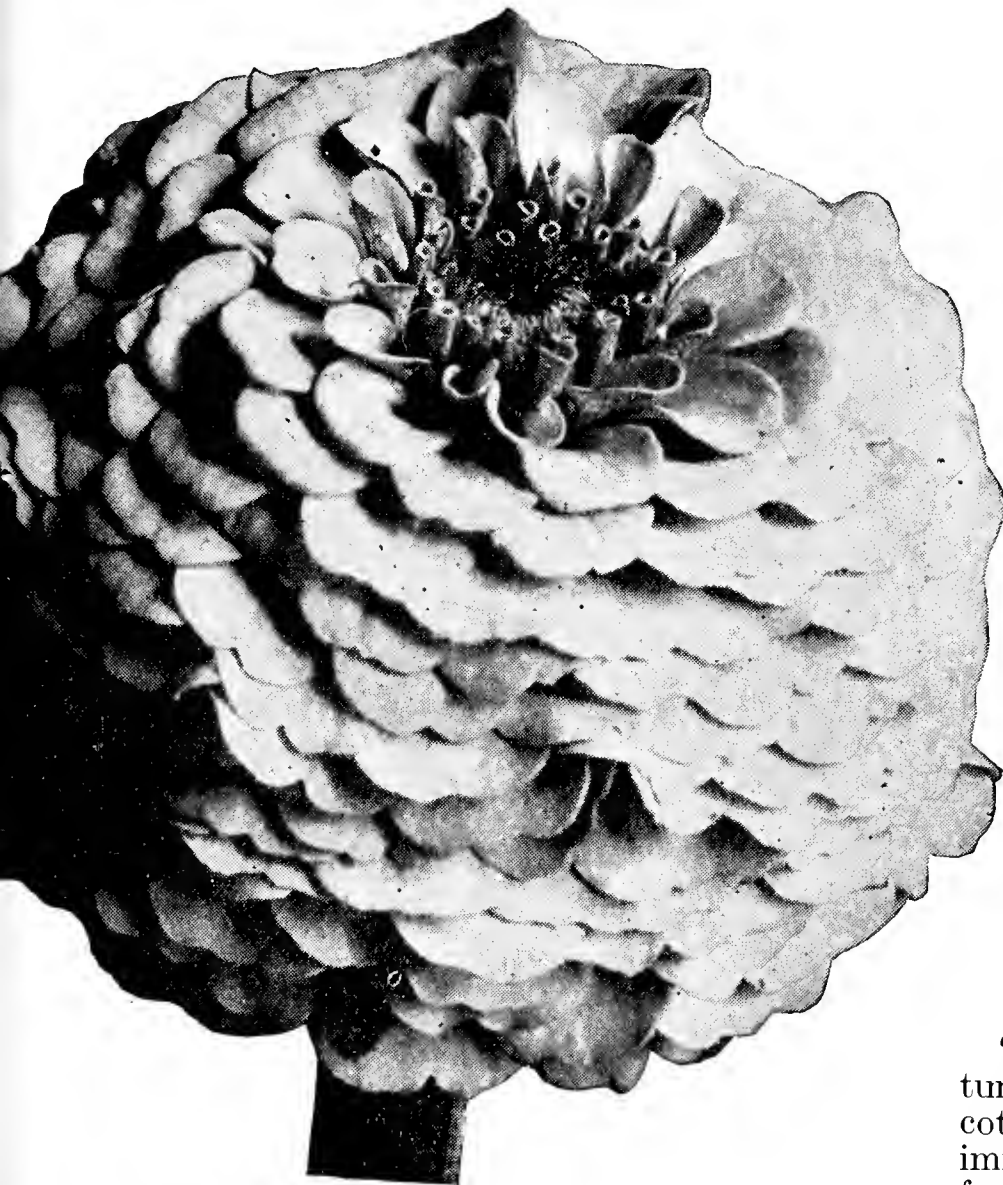
**Wild Garden Flower Seeds.** A mixture of easily grown varieties of Flower Seeds for sowing broadcast, require very little care and produce a continual display of bloom throughout the season, and furnish an abundance of flowers for cutting. They are useful for sowing along fences and on unsightly bare spots of ground. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c.





# Zinnia

A hardy annual, growing from 1 to 2 feet high. One of the most brilliant and showy plants. They flower early in the summer and keep on blooming until frost.



*Giant Dahlia Flowered Zinnia*

## GIANT DAHLIA FLOWERED ZINNIAS

A wonderful improvement in Zinnias, the flowers being as large as Dahlias. The plants of this variety are very strong and rugged, growing to a height of about three feet.

**Buttercup (New).** A large deep creamy yellow. Pkt. 20c.

**Crimson Monarch.** By far the largest and best of the red shades. Flowers often eight inches in diameter. Pkt. 20c.

**Dream.** A fine deep lavender, turning to purple. A new, desirable shade in Zinnias. Pkt. 20c.

**Exquisite.** Color light rose with center a deep rose. Pkt. 20c.

**Golden State.** A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom. Pkt. 20c.

**Oriole.** Considered the most beautiful of its class. It is an immense orange and gold bicolor. Pkt. 20c.

**Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Pkt. 20c.

**Scarlet Flame.** A large, beautiful bright scarlet, with a delightful blending of orange throughout the petal. Pkt. 20c.

**Special Mixture.** 3 pkts. for 50c. Pkt. 20c.

**"A. S. & L." Mammoth Double Mixed.** Pkt. 10c.

**Lilliput, or Pompon Zinnias.** An especially pretty, dwarf, branching type, 12 to 18 inches tall, blooming continuously and most profusely. The double, conical flowers are 1 to 1½ inches across. Highly effective for borders. Especially desirable for table decoration when medium-stemmed flowers are wanted. Pkt. 20c.

**"A. S. & L." Art Shades.** A very pretty mixture of unusual shades, including cream, buff, apricot, pink, salmon, and old rose. The flowers are of immense size, and will be found extremely useful for furnishing large vases, as well as for brightening autumn borders. Pkt. 20c.

## "A. S. & L." Choice Plants and Seedlings

Grown especially for us from "Sterling Quality" Seeds

### VEGETABLE PLANTS

#### *Celery Plants*

Golden, Self-Blanching, White Plume, Boston Market.

#### *Tomato Plants*

Earliana, John Baer, Marglobe, Bonny Best and other standard varieties. (One dozen in each box)

#### *Cabbage Plants*

Early summer varieties, winter varieties.

#### *Cauliflower Plants*

#### *Rhubarb Roots and Asparagus Roots*

*Potted plants and plants in baskets and boxes cannot be sent by mail.*

### FLOWER SEEDLINGS

Asters, Pinks, Petunia, Stock, Pansies (choice strain), Marigold, Phlox, Snapdragon, Zinnia, Verbenas.

### BEDDING PLANTS

Geraniums—3 in. and 4 in. Pots.

Cannas and Fuschias—4 in. Pots.

Heliotrope, Calendulas and Lobelias, in 3 in. Pots.



## “Sterling Quality”

# Hardy Perennials and Biennials

This class of flowers is coming into increased favor each year. The seed may be sown in the spring, or later in July or August. If sown at the latter time, it is well to sow in a shaded, moist place, or to keep the ground shaded and well watered until the seed appears.

**Aconitum (Monk's Hood).** Hardy perennial, with helmet-shaped flowers; growing in any good garden soil. Thrives best when planted among shrubbery or in shady situations. 4 feet. *Nappelus*, large blue. Pkt. 15c.

**Alyssum, Saxatile compactum (Basket of Gold).** Hardy perennial for early spring bedding, producing a mass of bright yellow flowers. A good rock plant. Height 6 inches. Pkt. 10c. *Saxatile Citrinum*. Flowers palest lemon; is much more lovely in its delicate coloring than compactum and is seldom seen. Height 6 inches. Pkt. 10c.

**Anchusa.** The Anchusas provide some of the best flowers of our gardens. They are a rich gentian blue, produced in long loose sprays during June and July. Height 3 to 4 feet. *Italica*, *Lissadell*. An improved variety of the Dropmore variety. Pkt. 10c.

**Ampelopsis Veitchii (Boston Ivy).** The best hardy vine for covering brick or stone buildings, etc.; foliage turning to scarlet in the autumn. Pkt. 10c.

**Arabis.** One of the earliest spring flowers. The spreading silver green tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Valuable for edging and rockeries. Height 6 inches. Pkt. 10c. *Alpina Flore-pleno*. A distinct double flowering form. In some gardens mats nearly a yard long hang from cliff-like rocks. Pkt. 10c.

**Aquilegia (Columbine.)** The aquilegia is one of our late spring and early summer flowering perennials. It will thrive in a semi-shaded position and since columbine do not divide easily it is better to raise new plants from seed. *Rock Mt. Blue*. *Chrysanth*, pale yellow long-spurred flowers. *Single Mixed Colors*. *Long Spurred*, *Double*, *Mixed Colors*. Pkt. 10c.

**Arnica Montana.** A beautiful Alpine plant resembling a small golden sunflower, two inches in diameter, on stems six to nine inches high. Grow it in the rock garden with *Campanula Barbata*. Pkt. 10c.

**Bellis Perennis (Double Daisy).** Sow the seed very early. The flowers are abundant in early spring and may be continued later by the use of water. Set about six inches apart in a cool border. *Longfellow*, large rose colored flowers. *Snowball*, large, double pure white. *Finest Mixed*. Pkt. 10c.

**Canterbury Bells.** Large bell-shaped flowers which are very effective. Succeeds best in light, rich soil. Transplant two feet apart. Height 2 to 4 feet. *Single*, *Fine Mixed*, *Double*, *Fine Mixed*, *Cup and Saucer*, (*Blue*, *Rose*, *White*, *Choice Mixed*.) Pkt. 10c.

**Delphinium (Hardy Larkspur).** *Formosum*, deep blue, 3 feet. *Double Hybrids*, *Finest Mixed*, 3 feet. Pkt. 10c. *Belladonna Hollyhock Strain*. This is an English development. Single, semi-double and double blooms in brilliant blue shades. Pkt. 25c.

**Dianthus (Hardy Garden Pinks).** *Double Clove*. A hardy perennial pink, very fragrant, choice colors. *Plumarius* ((*Grass Pink*, or *Pheasant-eye Pink*). A single hardy Pink with fringed-edged, fragrant flowers, mixed colors. Pkt. 10c.

**Euphorbia Variegata (Snow on the Mountain).** Variegated green and white foliage. Excellent for bouquets. Pkt. 10c.

You will find many new items in our Flower Seed Department this year, including Rock Garden varieties, but if you do not find listed some items you desire, let us procure them for you—we have almost immediate service from the great flower seed centers.



## Hardy Perennials and Biennials--Continued



*Gaillardia*

**Gaillardia.** Showy and hardy perennials, flowering from July to October. 2 feet. *Grandiflora Hybrida*. Finest mixed. Pkt. 10c.

**Gypsophila (Baby's Breath).** *Paniculata*. Free-flowering plants, succeeding in any garden soil. Fine for bouquets. White flowers, pkt. 10c; double white, pkt. 20c.

**Hollyhock.** The aristocrat of the garden. Plants of upright, stately growth, 5 to 8 feet high. The double varieties are most desirable although those interested in the old-time gardens prefer the single variety. The hollyhocks are very effective when planted in long rows with a background of shrubbery. *Chater's Double Varieties*: Peach Blossom, White, Newport Pink, Shell Pink, Red, Yellow, Mixed. *Imperator*, flowers 5 to 6 inches, frilled and fringed, with double center rosette about 3 inches across. *Imperator*, exquisite Claret Red. *Double Imperator*. Pkt. 10c.

**Honesty (Satin Flower).** The flat, silvery seed pods are used for winter decoration. Very handsome, free-flowering. Hardy biennial. 2 feet. Pkt. 10c.

**Iberis (Perennial Candytuft).** *Sempervirens*. Pure white, excellent for cemeteries, rockeries, etc. 1 foot. Pkt. 15c.

**Kudzu Vine or Jack-and-the-Bean Stalk.** A fast growing hardy perennial vine, growing 8 to 10 feet the first year from seed. The foliage is large; it bears clusters of pea-shaped flowers. Pkt. 10c.

**Lavendula vera.** (Sweet Lavender), grown chiefly for lasting fragrance of its flowers. Pkt. 10c.

**Lilium Regale.** One of the most beautiful garden lilies. The flowers are white, slightly suffused with pink, with beautiful shade of yellow at the center. The perfume reminds one of the Jasmine. Plant seeds in boxes in April, and then lift in the fall; and store in cellar until spring. Now plant in permanent position. Very hardy. Pkt. 15c.

**Linum (Flax).** *Perenne*. Bright blue flowers, hardy, 2 feet. Pkt. 10c.

**Forget-Me-Not (Myosotis).** Small starlike flowers borne in clusters. The plant is of easy culture and blooms the first year if seed is sown early. 4 to 9 inches. *Indigo Blue*, large, dark blue flowers. *Victoria*, large flowers, bright azure blue, dwarf habit, fine for borders. *Fine Mixed*. Pkt. 10c.

**Foxglove (Digitalis).** The Foxgloves are highly ornamental plants. They are fine for the mixed border or planted singly in half-shady places near a walk or drive. The spikes of flowers are often two feet in length, containing scores of the pretty-spotted thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden and transplant as desired.

*Mixed varieties.* Pkt. 10c.

**French Honeysuckle (Hedysarum).** Very handsome, free-flowering plants; well adapted for borders or rock-work. 4 feet. *Scarlet*. Pkt. 10c.





## Hardy Perennials and Biennials--Continued

**Lupinus (Lupin).** *Polyphyllus*. Beautiful hardy plants for borders, beds and for cutting, 3 feet. *Blue, Pink, White, Mixed*. Pkt. 10c.

**Phlox (Decussata).** Hardy plants producing large heads of showy flowers, 3 feet. *Mixed Colors*. Pkt. 10c.

**Poppy (Papaver).** *Orientalis*. One of the most striking and showy of the garden perennials; flowers large brilliant crimson with a black blotch on each petal. Brilliant colors. Pkt. 10c.

**Iceland Poppies (Papaver nudicaule).** Iceland poppies, while considered perennials, will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches high, bearing brilliant flowers in endless profusion. Pkt. 10c.

**Polyanthus (Primula Elatior).** Early spring free-flowering plants, fine for either pot or outdoor culture; 9 inches. *Choice Mixed*. Pkt. 10c.

**Physalis (Chinese Lantern Plant).** An ornamental plant, forming dense bushes about 2 feet high, producing freely its bright orange-scarlet lantern-like fruits, which can be cut and dried for winter bouquets. Pkt. 10c.

**Pyrethrum Hybridum (Painted Daisy).** Hardy perennial, bearing large Daisy-like flowers, ranging in color from white to deep red, with bright yellow centers. Pkt. 10c.

**Rubdeckia (Cone-Flower).** Robust-growing plants, very popular for border decoration. *Newmanii*. Golden yellow with black center. Pkt. 10c.

**Statice (Latifolia).** Hardy perennial with large branching heads of clear mauve flowers. Invaluable for the perennial border as well as for drying for winter decoration. Height 2 feet. *Blue*. Pkt. 10c.

**Sweet Rocket.** Very fragrant, growing freely in ordinary soils. 2 feet. *Mixed*, purple and white. Pkt. 10c.

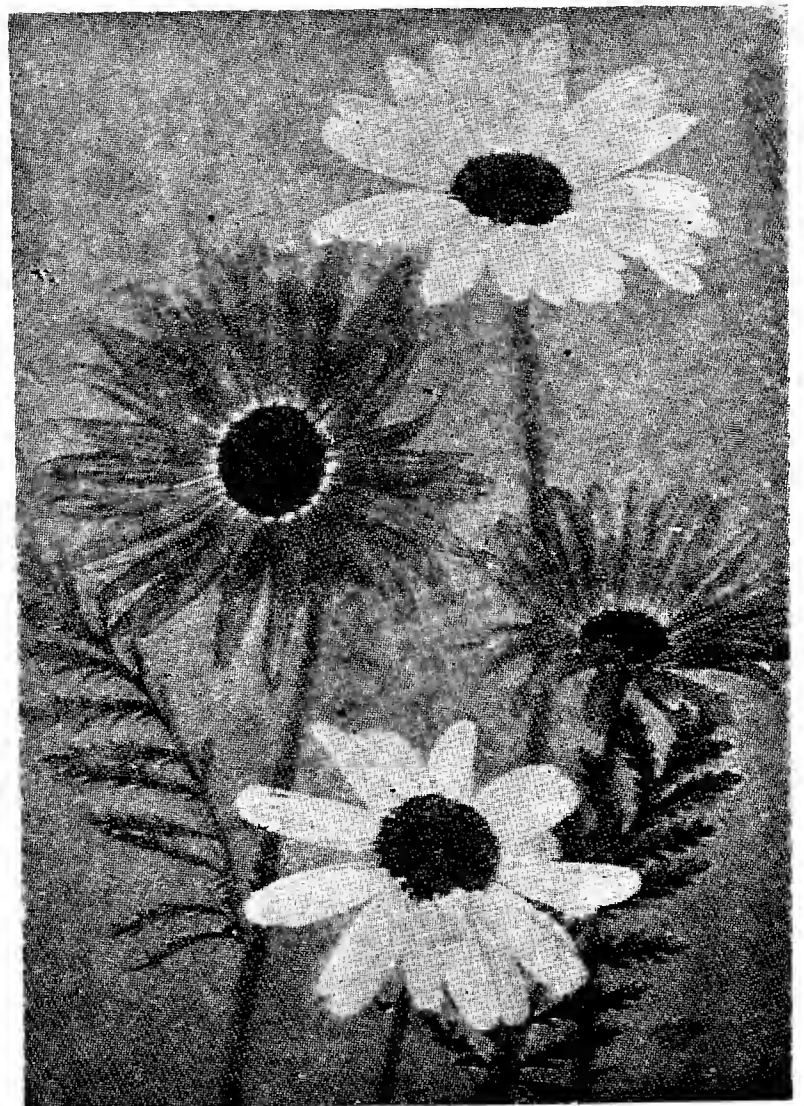
**Sweet William.** An old-fashioned plant, producing large heads of beautifully colored, sweet-scented flowers. It is hardy and easily grown. 1½ feet. *Holborn Glory*. Large flowers of the most beautiful shades. *Pine Beauty*. Rose pink. *Double Varieties*. *Mixed*. *Finest Single Mixed*. Pkt. 10c.

**Tritoma Hybrida (Red Hot Poker).** Valuable border plant easily raised from seed and flowered the same year. If sown in heat in January or February the plants will commence to throw up their attractive scarlet and yellow flower spikes in July or August. Most useful for the herbaceous border and for cutting. Height 3 feet. Pkt. 10c.

**Viola Cornuta.** Tufted Pansies. Attractive, free-blooming plants with good-sized flowers in many shades. Blooms during summer. *Mixed*. Pkt. 10c.

**Violet.** Fragrant, spring-blooming plants. *The Czar*. Large dark blue. Pkt. 10c.

**Verbena Vernosa.** A hardy garden Verbena of spreading habit. Large purplish blue flowers borne throughout the summer and fall. People visiting some of the famous gardens in France have been impressed by a sea of purplish-blue flower beds. It is this lovely hardy verbena. Height 18 inches. Pkt. 10c.



*Pyrethrum Hybridum (Painted Daisy)*



## Rock Garden Flower Seeds

For the convenience of our customers we have grouped together a collection of twelve varieties of the very popular Rock Garden Seeds.

**Alyssum (Saxatile Compactum).** Early flowering; bright golden yellow, 1 foot. Pkt. 10c.

**Aquilegia (Long Spurred Hybrids).** Flowers of many rich and varied colors, 2 feet. Pkt. 10c.

**Cerastium (Biebersteini).** Dwarf, white leaved plant with white flowers, 4 inches. Pkt. 15c.

**Delphinium (Blue Butterfly).** Beautiful blue variety of compact growth, blooms the first year if sown early, 18 inches. Pkt. 15c.

**Dianthus (Deltoides).** Dwarf; brilliant carmine flowers, 10 inches. Pkt. 15c.

**Gypsophila (Repens White).** A fine rock plant covered with tiny white flowers, 8 inches. Pkt. 15c.

**Gypsophila (Repens Rose).** Rock plant covered with rose colored flowers. Pkt. 15c.

**Geum (Lady Stratheden).** Beautiful hardy perennials bearing large, golden yellow flowers all through the summer, 18 inches.

**Linaria.** An excellent perennial, often grown as an annual, with bright green leaves and attractive small lilac-blue flowers. Pkt. 15c.

**Oenothera.** Large bright yellow flowers; 4 inches. Pkt. 15c.

**Saponaria (Ocymoides).** A splendid plant for the rockery; rose colored flowers, 9 inches. Pkt. 15c.

**Statice (Latifolia).** Large lavender-blue flowers, 18 inches. Pkt. 10c.

## "A. S. L." Choice Gladiolus

All Strictly First Size Bulbs

### Our famous collection of Twelve Named Gladioli

**Herada.** The color is a rich velvety, dark purple-violet. The only gladiolus of this color.

**Pride of Lancaster.** A decidedly showy variety, the color being a clear rich orange-red.

**Peace.** A very strong healthy grower. The flowers, as the name implies, are pure white.

**Mrs. Francis King.** One of the most popular. The spike grows tall and the flowers are a rich flame-red.

**Mrs. Frank Pendleton, Jr.** A very beautiful gladiolus, combining the beauty of the apple blossom and the rose.

**Halley.** One of the very earliest, yet the spikes are tall producing large sized flowers of delicate salmon-pink shades.

**Golden Gate.** A very large variety. If given good care the bulbs will produce wonderful canary-yellow blooms.

**Mrs. Keur.** A bulb produced originally in Holland. The flower—deep rose color with a golden-yellow blotch—very unique and beautiful.

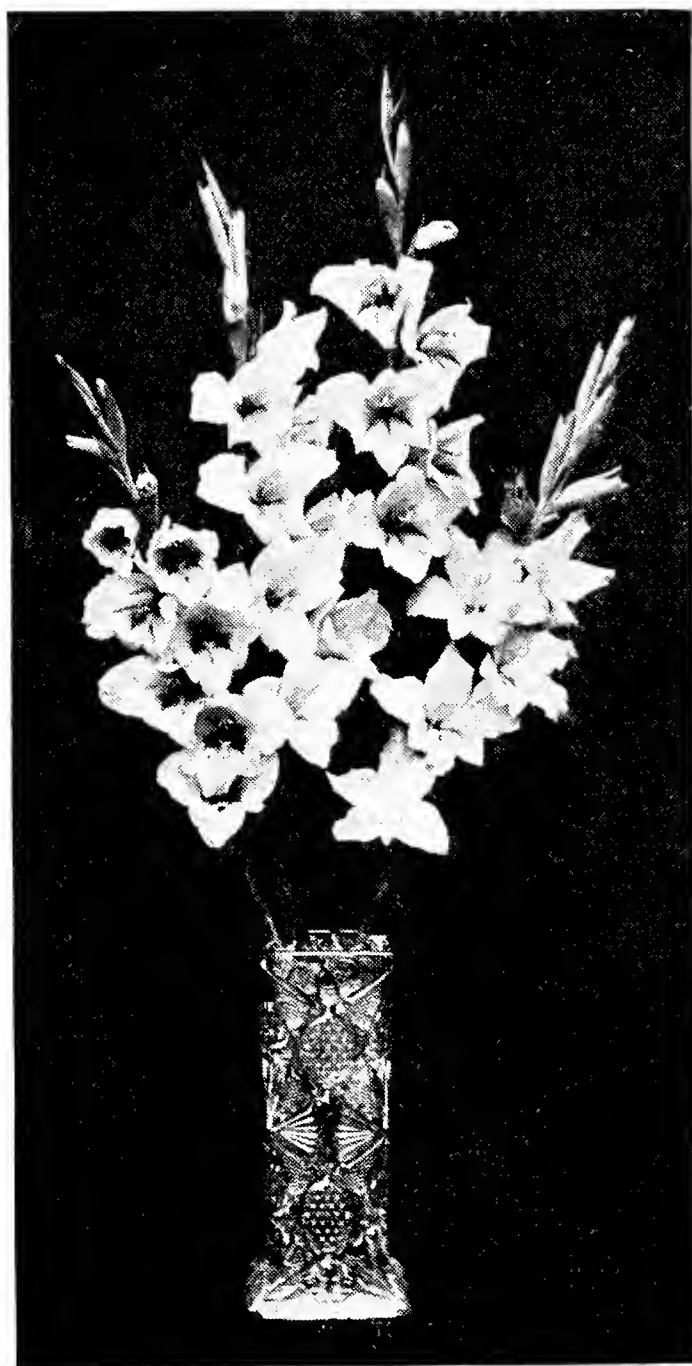
**Crimson Glow.** A rapid, easy grower. Color—rich, dark maroon with purplish markings.

**Le Marechal Foch.** Very large flowers of lovely shell pink. One of the finest of recent introduction.

**Nora.** The best blue Gladiolus! It is very striking and beautiful.

**Mrs. Watt.** A variety admired by all flower lovers. It is a glowing American Beauty Rose color. The flowers opening at about the same time make it a most desirable sort.

Price: Any of above 5c each, 50c doz. \$4.00 per 100 postpaid





# Insecticides and Fungicides

## Spraying and Dusting Equipment

In this department we aim to supply every need of the farmer, orchardist, market and home gardener.

As we are agents for the well-known Niagara Sprayer and Chemical Company, the largest manufacturers in this country of dusts and dusters, their knowledge and experience is absolutely at your disposal.

Come to us with your problems! We have a dust or spray for every emergency.

*Allen, Sterling & Lothrop*

## Niagara

### DUSTS and DUSTERS

**Niagara Arsenate of Lead.** (Dry.) Used either as a spray or dust for all leaf-chewing worms and insects. It will not burn or injure your crop.

**Niagara Powdered Arsenate of Calcium.** Especially valuable as a spray to control the "potato bug." Contains more than 40 per cent of arsenic oxide, and therefore has a killing efficiency surpassed only by Paris Green.

**Bordeaux Mixture, Dry.** Can be used either dry as a dust or mixed with water as a spray for all fungous diseases. 1 lb. to 5 gals of water.

**Niagara Dry Lime Sulphur.** A finely powdered wettable surplus used in spraying to control apple scab, etc. Mixes readily with water. Conveniently packed.

**Niagara Kolodust.** The Exclusive NIAGARA Dust that "sticks through rain and wind." This is a fungicide only, used in the control of diseases on fruit and flowering plants.

**Niagara Duo-Bordo.** Consists of lime and bluestone all weighed out in 5 lb. bags for making fresh Bordeaux Mixture instantaneously right in the spray tank. A package each of chemical lime and finely ground bluestone so processed as to be instantly soluble. Directions for mixing on packages. Makes a real Bordeaux Mixture—every membrane gelatinous. Ask for circular. Packed in 50-lb. cartons—consisting of 5 bags of bluestone and 5 bags of lime—enough for 250 gals spray.

**Niagara Koloform.** The New Exclusive NIAGARA Summer Sulphur Spray Material that has the greatest toxicity to disease of any Sulphur Spray Compound, used for the control of diseases only in summer spraying. Carton contains eight 7½ lb. bags.

**Niagara Kolokil.** The Exclusive NIAGARA Sulphur and Poison Dust containing extra large percentage of Arsenate of Lead. This material is used wherever extra heavy ravages of chewing insects prevail; also in controlling such diseases as may be present.

## Niagara



**POMO-GREEN with Nicotine**  
**The Leaf Green ALL-IN-ONE**  
**Dust or Spray**

A complete insecticide and fungicide combined has been in demand by the public for years. At last we have a single, all-purpose dust and spray which we can recommend without reservation, with the extra advantage that because of its color it is practically invisible. It can be used effectively against both chewing and sucking insects (Aphis) and will positively control most of the dis-

eases of flowering plants and shrubs. Highest rating given in tests conducted by American Rose Society.

**Price 1 lb. can 75c. Price 5 lb. can \$3.00.**

**Emulso (A Niagara Product).** Emulso is a typical Large Drop, Mechanical Type Oil Emulsion made from especially selected oils, using an exclusive Emulsifying Agent and stabilized to insure its not breaking down in shipping and storage.

Packed in 50 gal. bbls., 30 gal. steel drums, 10 gal. cans, 5 gal. cans, 1 gal. cans.

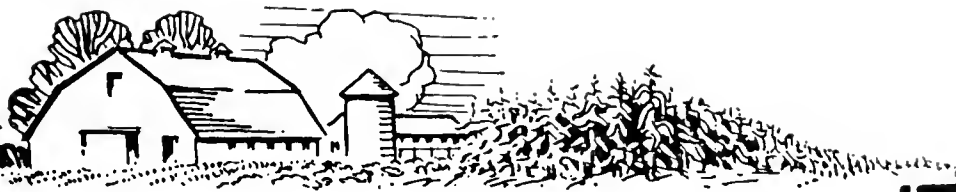
**Niagara A-1 Mixture.** A three per cent nicotine contact dust for use in controlling insects such as aphis, red bugs, pear psylla, etc.

**Niagara D-6 Mixture.** A bordeaux dust containing 20% monohydrated copper for use in controlling all forms of fungous disease such as blight, rust, mildew, black spot, etc.

**Niagara D-18 Mixture.** A combined fungicide and insecticide containing 20% monohydrated copper sulphate and 10% lead arsenate. Should be used whenever insects are present.

**WRITE US FOR QUOTATIONS ON INSECTICIDES.**



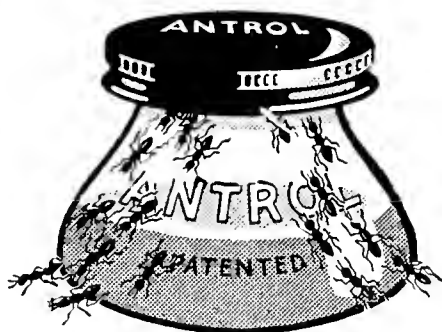


# Insecticides and Fungicides--Continued

## KILL ANTS in the Nest! KILL GARDEN PESTS!

This Scientific Method is Safe, Sure, Permanent

Antrol is easy to use, economical, and safe around children and pets. It consists of small glass containers from which the worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed *at the source*—the only way to get permanent freedom from these pests. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes.



# ANTROL



Prices—Antrol sets containing 4 containers and one 4-oz. bottle of syrup, 75c; Antrol extra containers (each) 12½c; Antrol syrup, 4-oz. bottles, 35c; pints, 85c; gals. \$3.50.

## KILL ANTS QUICK!



This new improved powder kills ants, roaches, silver fish, and other pests quicker by actual test. Packed in handy shaker, twist-top can.

Recommended for quick temporary relief in apartments, camps, summer homes, etc.

Price—2-oz. can 20c

## Spray

# "Black Leaf 40"

40% Nicotine

**Black Leaf 40.** (Nicotine Sulphate). Highly recommended by spraying experts for destroying all sucking and many chewing insects.

1 oz. 35c, 1 lb. \$2.10, 2 lbs. \$3.10, 10 lbs. \$10.15.

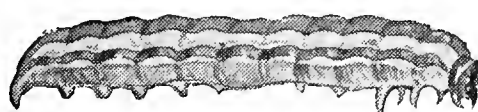
**Bug Death.** A non-poisonous powder. Destroys potato, squash, and cucumber bugs, currant and tomato worms; safe to handle. Contains no Paris Green or Arsenic. Apply dry or in water. 1 lb. pkg. 25c.

**Carbola.** A combined disinfectant and white wash. One pound paints and disinfects 250 sq. ft. 5 lbs. 75c, 10 lbs. \$1.25, 25 lbs. \$2.75, 50 lbs. \$5.00.

**Copper Sulphate.** For making home-made bordeaux mixture for fungicide purposes. Write for price.

**Dolge Liquid Weed Killer.** Destroys weeds in walks and drives. Dilute 1 part Weed Killer to 40 parts of water and apply with sprinkling can or cart.

1 qt. can 75c, 1 gal. can \$2.00, 5 gal. can \$6.50.



Cutworms, Sowbugs, Grasshoppers, Slugs, Snails,

Earwigs, etc., are Quickly Exterminated

Snarol is a ready-prepared meal that you simply broadcast on the ground under the vegetation. Pests eat it at night and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling. Thus it lasts longer and is more economical. It is non-injurious to vegetation when used according to simple directions.

Prices: 1½ lb. pkgs. 35c, 4 lb. pkgs. 85c, 15 lb. bags, \$3.00, 50 lb. bags \$8.00.

# SNAROL



## RED ARROW

NON-POISONOUS

## INSECT SPRAY

(PYRETHRUM SOAP)

**Red Arrow Insect Spray.** (Pyrethrum Soap). A non-poisonous, efficient insecticide for use against sucking and chewing insects, such as Mexican bean beetles, Japanese beetles, rose chafers, aphids (plant lice), leaf hoppers, etc. Per oz. 35c, \$1.00 per 3½ ozs., ½ pt. \$1.75, \$6.00 per qt.

**Volck.** A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphids, thrip, etc.; not only kills the insects, but also acts as a repellant. 1 qt. \$1.00, 1 gal. \$3.00.



A non-poisonous insecticide that is as equally efficient in both the flower and vegetable garden. Destroys a great number of both chewing

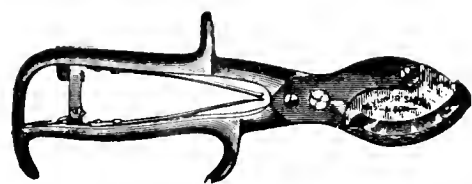
and sucking insects without danger of burning the plants.

1 oz. bottle 35c, 6 oz. bottle \$1.00, 16 ozs. \$2.00, 32 ozs. \$3.50, gallon \$11.50.

**Hellebore (Powdered).** Safe to use when fruit or vegetables are nearly ripe. Used largely for cabbage and currant worms, can be used as a powder or dissolved. ½ lb. 25c, 1 lb. 45c.

**Nico-Fume (Tobacco Powder).** For fumigating greenhouses. 5 lb. can \$3.35, 10 lb. can \$5.85.

**Nico-Fume (Liquid).** Used as a spray or as a vapor. Does not stain nor injure blooms. 1 lb. can \$2.25, 4 lb. can \$5.75, 8 lb. can \$10.00.



Pruning Shears



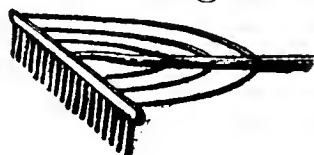
Grafting Chisel



Norcross Cultivator Hoes



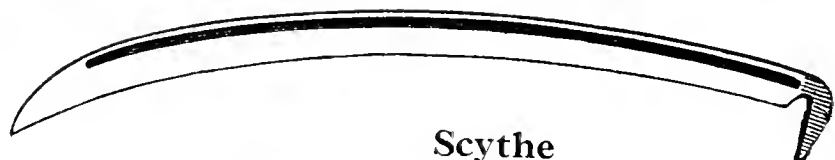
Shovel



Wood Lawn Rake



Asparagus Knife



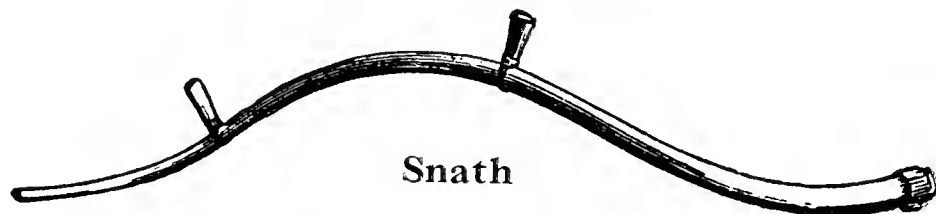
Scythe



Scuffle Hoe



Trowel



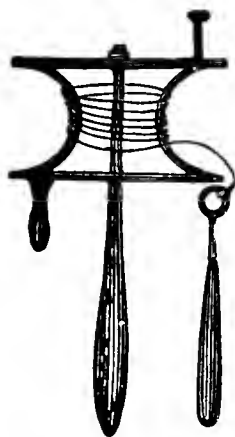
Snath



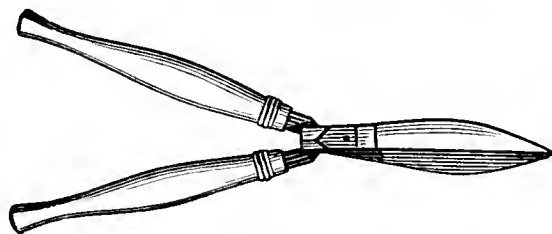
Haseltine Weeder



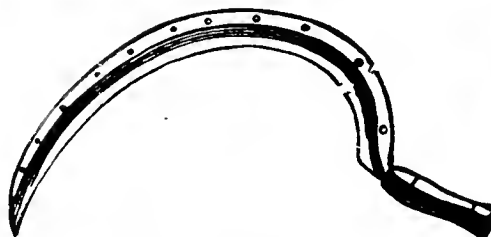
Potato Hook



Garden Line Reel



Hedge Shears



Grass Hook



Edging Knife



Garden Hoe



Manure Fork



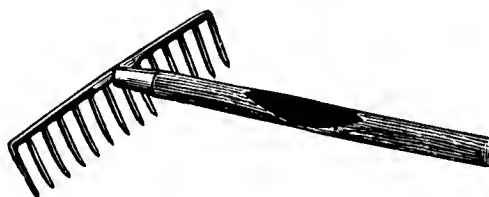
Spading Fork



Excelsior Weeder



Hay Fork



Garden Rake



Garden Line

### Asparagus Knife

Made of Solid Steel. Goodell Double Point. P. P. Weight 1 lb. 40c

### Edging Knife

Long handle.....\$1.15  
D handle.....1.35

### Forks

Manure, 4 Tine D Handle .. \$1.85  
5 Tine D handle.....2.00  
6 Tine D handle.....2.30  
Hay, 3 Tine (all lengths of handle).....1.75  
Spading 4 Tine D handle...2.00  
4 Tine long handle.....1.60

### Grafting Chisel

Made from the finest cast steel .75

### Grafting Wax (Trowbridge)

The best on the market. 1/4 lb. pkg. 15c, 1/2 lb. pkg. 25c. 1 lb. pkg. 45c.

### Garden Line

Italian Hemp, 100 feet.....\$1.50

### Grass Hooks

Meadow King......35  
Nolan......85

### Hoes

8 in. Meadow.....\$1.25  
9 in. Meadow.....1.35  
Warren.....1.25  
Onion.....1.20  
Boys'.....1.00  
Ladies'......85

### Potato Hooks

5 Tine.....\$1.45  
6 Tine.....1.60

### Pruning Saws

Disston No. 9.....\$2.25  
Disston No. 15.....3.00

### Rakes—Steel, Garden

12 Tooth.....\$1.15  
14 Tooth.....1.25  
16 Tooth.....1.35  
Wood—Lawn......90  
Wood—Hay......76

### Weeders

Excelsior......20  
Haseltine......50  
Midget Norcross, short handle for hand work......40  
3 prong Norcross......75  
5 prong Norcross.....1.00

### Scythes

Grass.....\$1.75  
Bush.....1.75

### Scythe Snaths

Regular.....\$1.50  
Bush.....1.75

### Shears, Pruning

Taylor Pattern, with coil spring, 9 in.....\$0.50  
California Pattern, with volute spring, 9 in......75  
Swiss Pattern, polish, 9 in. 1.75

### Shears, Grass

True Vermonter.....\$1.25  
No. 263......50  
No. 19—Cronk.....1.75  
Goodwin.....2.00

### Shears, Hedge

9 inch notched.....\$2.75  
6 inch ladies'.....2.00

### Scuffle Hoes

8 inch blade.....\$1.25

### Trowels

No. 25 Eagle......15  
No. 809 Solid Steel......25  
No. 100 Socket Pattern......40  
Keystone 6 inch......75

**10%**

# Birthday Coupon

**10%**

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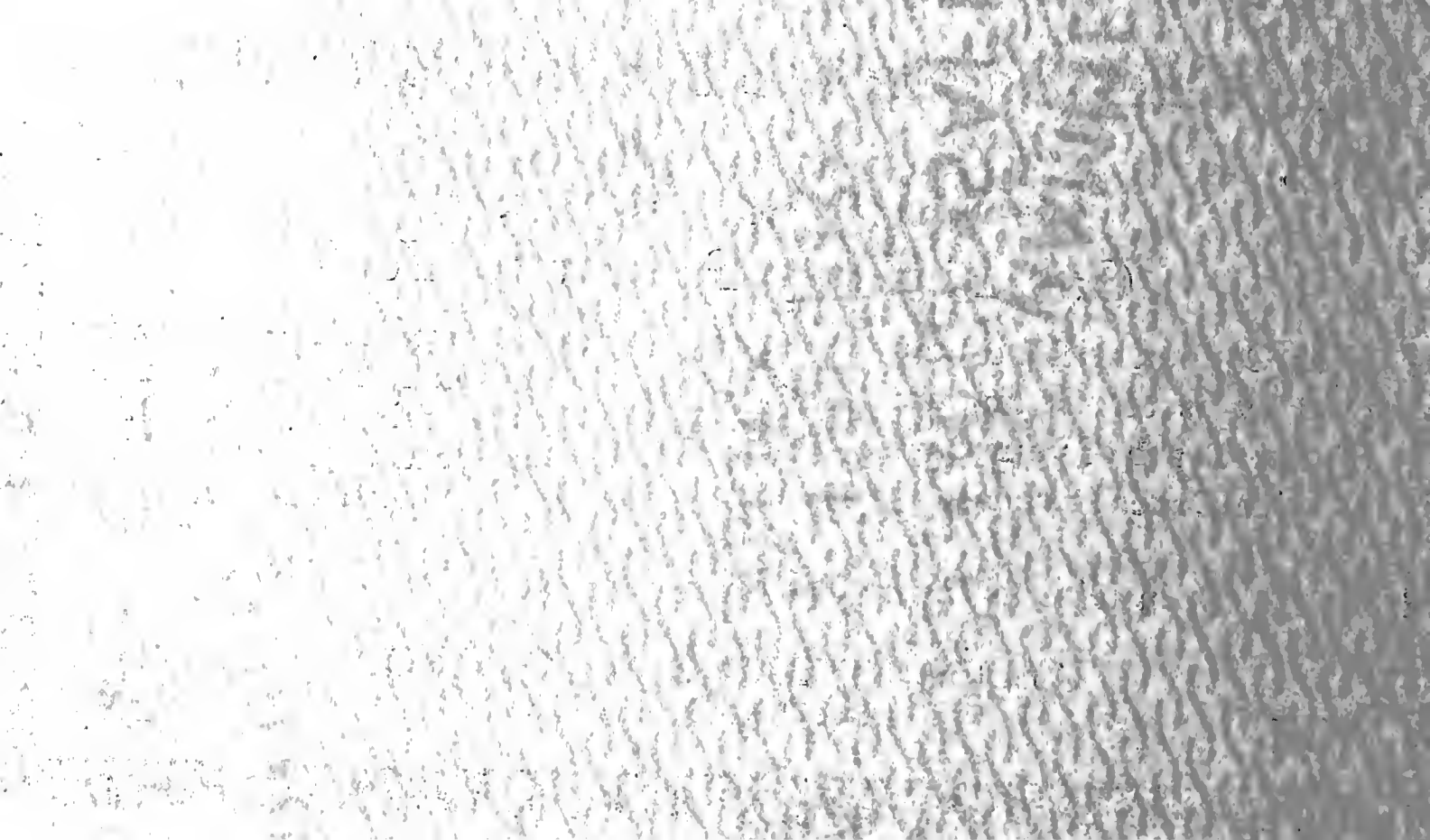
*Join with us in the Celebration of Our 21st Birthday*

**ALLEN, STERLING & LOTHROP**  
**PORTLAND, MAINE**

**10%**

**10%**





PLANTING TABLE

Quantity of Seeds or Number of Plants Required for a Row 100 Feet in Length, with Distance to Plant and Time for Planting

Kind of Vegetable	Seeds or Plants Required for 100 feet of Row	Distance for Plants to Stand Hand Cultivation		Depth of Planting	Time of Planting in Open Ground	Ready for use after planting
		Rows Apart	Plants Apart in Rows			
Asparagus, seed . . .	1 ounce	1 to 2 ft.	3 to 5 in.	1 to 2 in.	Early Spring . . . . .	3 to 4 years
Asparagus, plants . .	60-80 plants	12 to 24 in.	15 to 20 in.	3 to 5 in.	Early Spring . . . . .	2 to 3 years
Beans, bush . . . . .	2 pounds	18 to 24 in.	3 to 4 in.	1 to 2 in.	April to July . . . . .	40 to 65 days
Beans, pole . . . . .	1 pound	3 to 4 ft.	3 to 4 in.	1 to 2 in.	May and June . . . . .	50 to 80 days
Beets . . . . .	2 ounces	12 to 18 in.	5 or 6 to ft.	1 to 2 in.	April, May and June . . . . .	90 to 120 days
Cabbage, early . . . .	½ ounce	24 to 30 in.	12 to 18 in.	½ in.	April and May. (Start in hot-bed during March) . . . . .	90 to 130 days
Cabbage, late . . . . .	½ ounce	24 to 36 in.	16 to 24 in.	½ in.	May and June . . . . .	90 to 130 days
Carrot . . . . .	1 ounce	18 to 24 in.	6 or 7 to ft.	½ in.	April to June . . . . .	75 to 110 days
Cauliflower . . . . .	½ ounce	24 to 30 in.	14 to 18 in.	½ in.	April to June. (Start in hot-bed during March) . . . . .	100-130 days
Corn, sweet . . . . .	1 pound	30 to 36 in.	30 to 36 in.	1 to 2 in.	May and June . . . . .	90 to 120 days
Cress . . . . .	½ ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	March to May. April to June . . . . .	30 to 40 days
Cucumber . . . . .	½ ounce	4 to 6 ft.	4 to 6 ft.	1 to 2 in.	May to July . . . . .	80 to 100 days
Endive . . . . .	1 ounce	18 in.	8 to 12 in.	½ in.	May . . . . .	90 to 110 days
Kohl-rabi . . . . .	½ ounce	18 to 24 in.	4 to 8 in.	½ in.	April to June . . . . .	60 to 90 days
Lettuce . . . . .	½ ounce	12 to 18 in.	4 to 6 in.	½ in.	April to August . . . . .	60 to 90 days
Melon, muskmelon . .	1 ounce	6 to 8 ft.	Hills 6 ft.	1 to 2 in.	May and June . . . . .	120-150 days
Melon, watermelon . .	1 ounce	8 to 12 ft.	Hills 10 ft.	1 to 2 in.	May and June . . . . .	100-120 days
Mustard . . . . .	½ ounce	12 to 18 in.	4 or 5 to ft.	¼ in.	April and May . . . . .	60 to 90 days
Onion, seed . . . . .	1 ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	April and May . . . . .	130-150 days
Onion, sets . . . . .	1 qt. of sets	12 to 18 in.	4 or 5 to ft.	1 to 2 in.	March to May . . . . .	90 to 120 days
Parsley . . . . .	1 ounce	12 to 18 in.	3 to 6 to in.	¼ in.	Early spring . . . . .	90 to 120 days
Parsnip . . . . .	1 ounce	18 to 24 in.	5 or 6 to ft.	½ to 1 in.	April and May . . . . .	125-160 days
Peas . . . . .	2 pounds	30 to 36 in.	15 to ft.	2 to 3 in.	March to July . . . . .	60 to 90 days
Pepper . . . . .	½ ounce	18 to 24 in.	15 to 18 in.	½ in.	May and June . . . . .	100-120 days
Potato, Irish . . . . .	5 lbs. (or 9 bu. per acre)	24 to 36 in.	14 to 18 in.	4 in.	April to June . . . . .	80 to 140 days
Pumpkin . . . . .	1 ounce	8 to 12 ft.	Hills 8 to 12 ft.	1 to 2 in.	May to July . . . . .	100-140 days
Radish . . . . .	1 ounce	12 to 18 in.	8 or 12 ft.	½ to 1 in.	March to September . . . . .	20 to 40 days
Rhubarb Plants . . . .	33 plants	3 to 5 ft.	3 ft.	2 to 3 in.	Early spring . . . . .	1 to 3 years
Rutabaga . . . . .	1 ounce	18 to 24 in.	6 to 8 in.	½ in.	May and June . . . . .	80 to 80 days
Spinach . . . . .	2 ounces	12 to 18 in.	7 or 8 to ft.	1 to 2 in.	September or early spring . . . . .	40 to 60 days
Squash, bush . . . . .	1 ounce	3 to 4 ft.	Hills 3 to 4 ft.	1 to 2 in.	May and June . . . . .	70 to 90 days
Squash, late . . . . .	1 ounce	7 to 10 ft.	Hills 7 to 9 ft.	1 to 2 in.	May and June . . . . .	120-160 days
Turnip . . . . .	1 ounce	18 to 24 ft.	6 or 7 to ft.	¼ to ½ in.	May to July . . . . .	60 to 80 days

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE

Barley, broadcast	2 to 3 bush.	Onion Sets, in drills	8 bush.
Beans, Dwarf, in drills	1¼ bush.	Parsnip, in drills	5 lbs.
Beans, Pole, in hills	10 to 12 qts.	Peas, Canada field, broadcast	120 to 150 lbs.
Beets, Table, in drills	6 lbs.	Peas, Canada field, with oats	75 to 90 lbs.
Beets, Mangel-Wurzel	6 lbs.	Peas, cow, broadcast	60 to 75 lbs.
Buckwheat	1 bush.	Peas, cow, in drills	45 to 60 lbs.
Cabbage, in beds to transplant	¼ lb.	Potatoes (Cut Tubers)	10 bush.
Carrot, in drills	3 to 4 lbs.	Pumpkins in hills	4 lbs.
Clover, Alsike, alone	5 to 6 lbs.	Radish, in drills	8 lbs.
Clover, Alsike, in mixture	2 to 4 lbs.	Rye, broadcast	1½ bush.
Clover, Crimson	12 to 15 lbs.	Rape, broadcast	6 to 8 lbs.
Clover, Red, alone	8 to 12 lbs.	Rape, in drills	4 to 5 lbs.
Clover, Red, in mixture	4 to 6 lbs.	Sage, in drills	8 lbs.
Clover, Sweet, unhulled	25 to 30 lbs.	Spinach, in drills	10 lbs.
Clover, White	4 to 8 lbs.	Squash (Bush Varieties), in hills	2 lbs.
Clover, Lucerne or Alfalfa	20 lbs.	Squash (Running Varieties), in hills	4 lbs.
Corn, Sweet, in hills	10 qts.	Soy Beans, broadcast	60 to 90 lbs.
Corn, for ensilage	16 qts.	Soy Beans, in drills	30 to 45 lbs.
Cucumber, in hills	2 lbs.	Soy Beans, in drills with corn	15 to 20 lbs.
Grass, Kentucky Blue	42 lbs.	Sunflower	6 to 8 lbs.
Grass, Orchard	22 lbs.	Tomato, to transplant	¼ bu.
Grass, Red Top, (Recleaned)	6 lbs.	Turnip, broadcast	2 lbs.
Grass, Timothy	½ bush.	Turnip, in drills	1½ lbs.
Grass, Hungarian	1 bush.	Vetch, Hairy, drilled (plus 1 bu. small grain)	40 to 50 lbs.
Grass, Lawn	75 lbs.	Vetch, Hairy, broadcast plus 1 bu. small grain	50 to 60 lbs.
Melon, Musk, in hills	2 to 3 lbs.	Vetch, Spring, plus 1 bu. small grain	80 lbs.
Melon, Water, in hills	4 to 5 lbs.	Wheat, broadcast	1½ to 2 bush.
Millet, Japanese	20 lbs.		
Millet, Golden	1 bush.		
Oats, broadcast	2 to 3 bush.		
Onion, in drills	5 lbs.		



**OUR TWENTY-FIRST  
BIRTHDAY PRESENT  
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**You will find in this catalog a  
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"Coming to our Party."**

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LOTHROP**